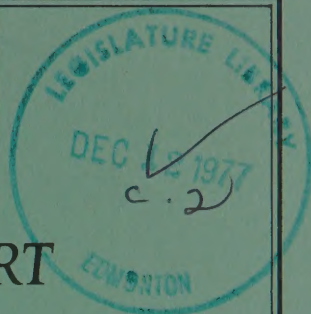


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EIGHTEENTH ANNUAL REPORT

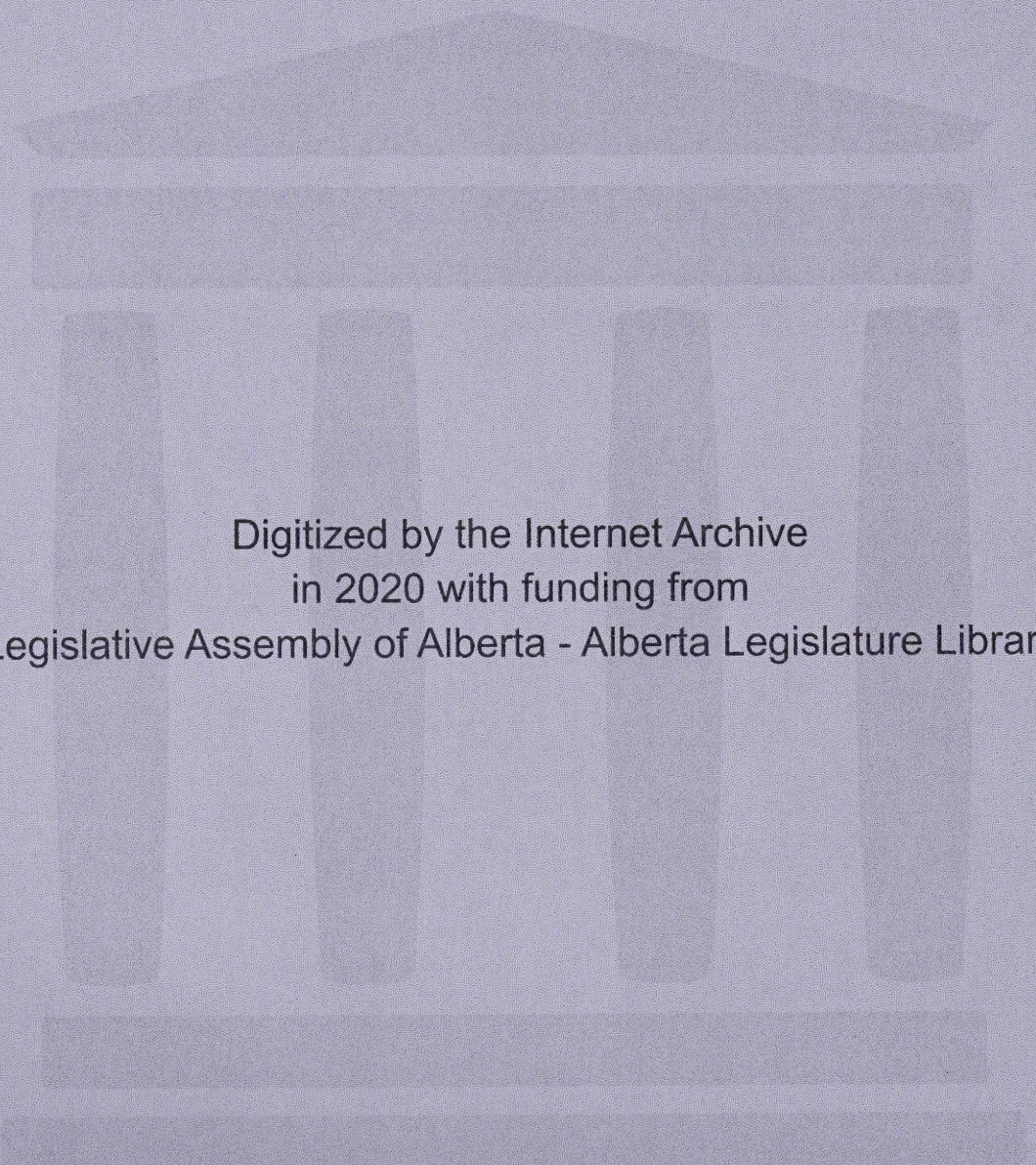
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OF THE
DEPARTMENT OF LANDS AND FORESTS
OF THE
PROVINCE OF ALBERTA

FOR THE
FISCAL YEAR ENDED MARCH 31st
1967



EDMONTON:
PRINTED BY L.S. WALL, QUEEN'S PRINTER
1967



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EIGHTEENTH ANNUAL REPORT

OF THE
DEPARTMENT OF LANDS AND FORESTS
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PROVINCE OF ALBERTA

FOR THE
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1967



EDMONTON:
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1967

TO THE HONOURABLE GRANT MacEWAN
Lieutenant-Governor of the Province of Alberta

SIR:

I have the honour to submit the Report of the Department of Lands and Forests for the fiscal year ended March 31st, 1967.

I have the honour, to be, Sir,

Your obedient servant,

HENRY A. RUSTE,

Minister of Lands and Forests

Edmonton, December 15th, 1967.

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DEPARTMENT OF LANDS AND FORESTS

Hon. Henry A. Ruste	Minister of Lands and Forests
W.L. Nisbet	Departmental Solicitor
D.S. Lawson	Director of Lands
R.G. Steele	Director of Forestry
R.D. Loomis	Supt. of Forest Management
S.R. Hughes	Supt. of Forest Protection
J. F. Hogan	Supt. of Forest Surveys
E.P. Shaver	Director of Provincial Parks
C.R. Harvie	Provincial Parks Planner
S.B. Smith	Director of Fish and Wildlife
W.C. Hales	Fish and Wildlife Administrator
M. J. Paetz	Chief Fishery Biologist
G. J. Mitchell	Chief Wildlife Biologist
G.K. Kerr	Chief Wildlife Biologist
T.A. Drinkwater	Director, Technical Division
A. McCallum	Administrative Accountant
H.E. Bennett	Asst. Administrative Accountant
C.B. Kenway	Registrar
W.H. MacDonald	Publicity Officer
W.A. West	Publicity Officer
R.J. Clark	Personnel Officer
Miss S.L. Cook	Stationery and Supplies

EASTERN ROCKIES FOREST CONSERVATION BOARD

J.R.H. Hall	Chairman
A.T. Baker	Member

REPORT
of the
DEPARTMENT OF LANDS AND FORESTS
1966 - 1967

HONOURABLE HENRY A. RUSTE,
Minister of Lands and Forests.

SIR:

I have the honour to submit the annual report of the Department of Lands and Forests for the fiscal year ending March 31st, 1967.

Respectfully submitted,

V.A. WOOD,

Deputy Minister.

Edmonton, December 15th, 1967.

PUBLIC LAND ADMINISTRATION**REPORT OF THE DIRECTOR OF LANDS***D. S. LAWSON*

The Lands Division of the Department of Lands and Forests has again experienced the continuation of the fairly heavy pressure for various dispositions of public land ranging from agricultural to industrial uses.

During the 1966 Session of the Legislature a new Public Lands Act was enacted and became effective on the first day of September, 1966. In addition to revising the wording and arrangement of the statute, this new act contained some major changes. In Part 3 of The Public Lands Act, 1966, which deals with homestead sales, the maximum amount of land which could be acquired by an applicant was increased to four quarter sections and the distance from the public land applied for to the land already controlled by the applicant was increased from seven to ten miles. This part of the act also provides that a homestead purchaser may acquire title within two years whereas under the former Public Lands Act five years duties were required to be performed. The major policies of the department relating to grazing leases are still contained in Part 4 of the Public Lands Act, 1966, but a separate regulation has been established to cover various aspects of administrative procedure.

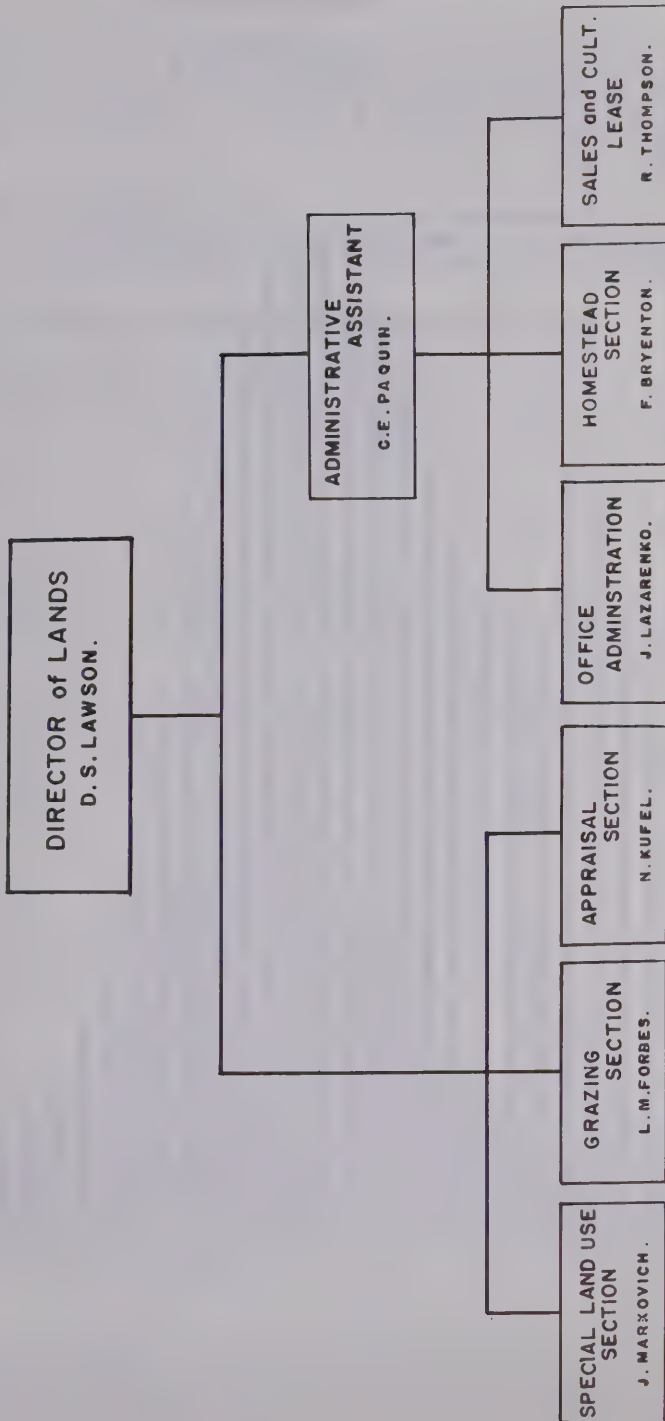
There are certain ARDA programs now underway and from all indications these programs will gradually affect most of the north-central and northern regions of Alberta. Part of these ARDA programs are or will be involved with farm adjustment, where efforts are being made to enlarge and/or consolidate farms to make economic units. In the light of these developments it was felt that our policy in connection with the posting of public lands for homesteading should be changed to reflect the principle of farm consolidation and/or enlargement. As a consequence a new policy was adopted in March of 1967, which provides that when newly surveyed lands are opened for settlement, that land owners in the area who are eligible for homestead sales be given a priority of thirty days in which to apply for homesteads, provided that the land which they own or hold under agreement for sale is within ten miles of the public land for which they wish to apply and provided that they meet the general eligibility requirements of The Public Lands Act, 1966. The same policy was approved in connection with the posting of public lands comprising any cancelled dispositions and it is expected that the practise will be adopted fairly early in the fiscal year 1967-68.

In the interests of conservation of resources and to assure proper land use the physical characteristics of parcels of public lands including topography, susceptibility to erosion, soil capability, etc. have been very carefully considered before any disposition is made of the land. This policy is continuing in a more intensified way and is being applied on a regional basis.

During the past year there has been a minor reorganization of the Lands Division. This reorganization will, we believe, contribute to increased efficiency in the administration of public lands.

ORGANIZATIONAL CHART

Lands Division



HOMESTEAD SALES

The changes in the Act on September 1, 1966, providing for the completion of an application for notification for title at the end of two years has sustained the increase in title applications which was experienced in the previous year and the change making it possible for an applicant to obtain up to one section of land is mainly responsible for the increase in new sale contracts issued.

The Homestead Lease Loan Act was amended in 1966 increasing the maximum amount of a loan from \$1,000.00 to \$2,000.00 and this has resulted in an increase in the number of loan contracts issued this year.

SALES, CULTIVATION LEASES AND SAND AND GRAVEL

There were 147 parcels of land offered for sale by public auction of which 136 were sold. The highest price received was \$217.00 per acre for a full quarter section offered for sale at Three Hills on March 23, 1967. One lot sold at an auction brought \$1,000.00.

The average price per acre received was \$17.88, a decrease from the fiscal year 1965-66 where the average price was \$23.67.

During the year the administration and control of 58 parcels of land was transferred in favor of the Department of Municipal Affairs, the administration and control of 2 parcels was turned over to the St. Mary and Milk Rivers Development, while the Department of Public Works received 2 parcels of land.

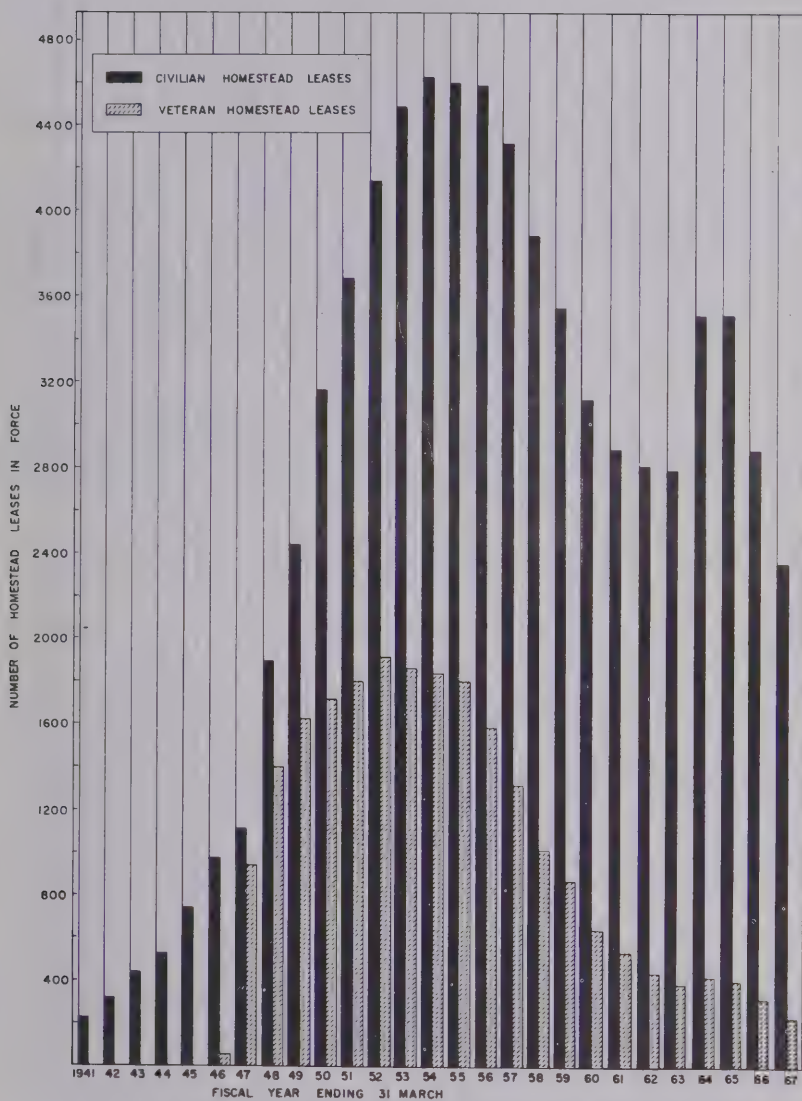
The department processed four free grants during the year and nineteen parcels of public land were exchanged, mainly for the purpose of assisting farmers to establish more centralized and economic units.

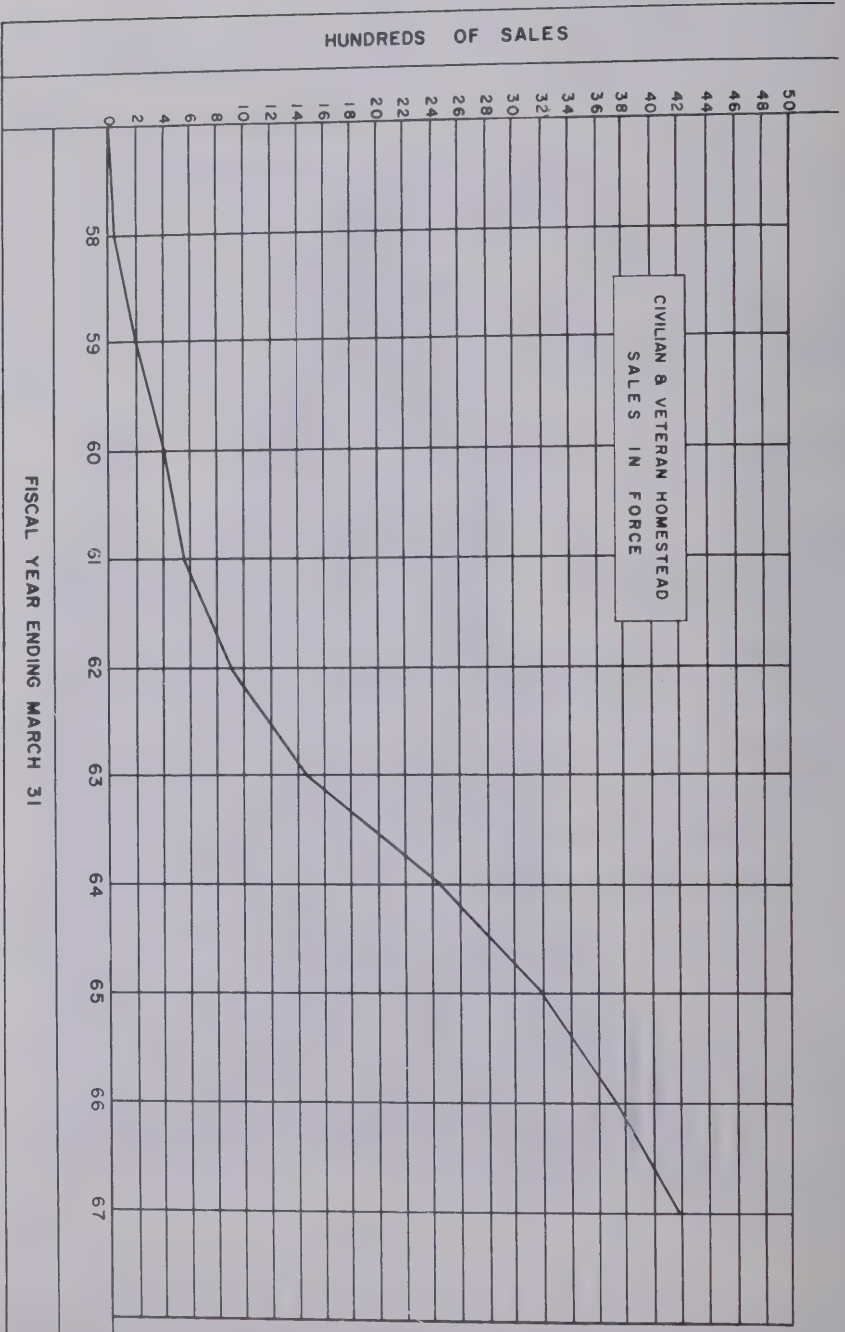
The following indicates the monies collected during the year from public land and agricultural farm sales.

New Sales	Principal	Interest
P.L. Agricultural Farm Sales	\$159,593.11	\$2,681.76
T.R. Agricultural Farm Sales	\$ 254.38	\$ 32.71
Public Land Sales	\$261,379.15	\$3,522.65

The department paid out, on account of taxes under The Crown Cultivation Leases Act, a total of \$83,111.75. The total assessed value of land under cultivation leases, exclusive of clearing project areas, is \$1,309,290.00. Both the amounts paid out on account of taxes, and the total assessed value of land under cultivation lease, is a slight decrease over the previous year. It is considered that this decrease is due to the fact that a number of cultivation lessees have converted their leases to agricultural farm sales and many cultivation leases which have expired on tax recovery lands are not renewed but the land is returned to the county, municipality or improvement district.

There has been a steadily increasing demand for sand and gravel extraction from public land. The primary reasons for this demand are the continuing growth of the petroleum and natural gas industry in the west central and northern portions of the province and the extension of railways and roadways in these areas.





SPECIAL LAND USE

During the fiscal year there was continuing interest in lots for summer cottage purposes. Fifty-six lots were made available at Marie Lake in a draw held at Grande Centre on June 17th. A subdivision for summer cottage purposes was surveyed at Moose Lake. A hamlet to serve highway commercial and local needs was surveyed near Wandering River and lots will be made available during the next fiscal year.

A miscellaneous lease for agricultural purposes was issued on land which was once part of the St. Bruno Mission Farm near Fort Smith, Northwest Territories.

The number of applications for surface rights by the petroleum and natural gas industry was approximately the same as in the previous fiscal year. During the same period approximately 700 more surface leases and other dispositions were issued. In the north western portion of the province, where most drilling took place, early heavy snowfalls and mild weather prevented early winter entry into the area to carry out the drilling. This delay caused a large number of applications to be filed from the mid-January period until the end of the fiscal year. Numerous locations were approved which were constructed in late March in order that they could be drilled during the summer months.

In November 1966 and in January 1967 seminars were conducted in co-operation with the Edmonton and Calgary Landmen's Association at Edmonton and Calgary to disseminate information regarding the acquisition of surface rights by the petroleum industry on public lands.

GRAZING

The interest in and the demand for grazing on public lands continued in 1966.

The open grassland areas of Alberta are fully utilized and therefore the wooded areas of the province provide the only new grazing available. To encourage the development and improvement of these wooded areas, the Grazing Lease Improvement Regulations authorize assistance for grazing lessees wishing to convert brush covered lands to improved pasture. Approximately 90 applications for such assistance were received during the past fiscal year. Assistance for stock water development and other range improvements is also authorized by these regulations.

Grazing conditions in 1966 were generally good to very good throughout Alberta except for portions of the Peace River area and east central Alberta. The area north of the Peace River and an area extending as a north and south running strip to the west of Highway 36 from Two Hills south to just north of Hanna was very dry until late July and consequently pasture conditions were not as good in these areas.

The range survey initiated in 1965 continued in 1966 in southeast Alberta. The object of the survey is to determine with a high degree of accuracy the grazing capacity of individual ranches and to advise ranchers on the most efficient methods of utilizing the range resource on their deeded land and public lands held under grazing lease.

The Grazing Co-ordinator assisted various members of the Division's

field staff and range survey staff in the identification of native plants and grazing types and in the determination of grazing capacity.

More than 450 species of range plants and plants of agricultural significance were mounted for filing in the department's new herbarium. This herbarium was established in 1966 to assist staff of all divisions of the department in the identification of the more important range plants.

The Public Lands Grazing Lease Regulations were established by Order-in-Council in December, 1966, to augment Part 4 of The Public Lands Act, 1966, which came into force on September 1, 1966.

A program of requesting grazing lessees holding more than one lease to consolidate their leases was continued during 1966 and this resulted in the cancellation of a large number of grazing leases for amalgamation purposes.

Six Letters of Authority for the rounding up of wild horses were in effect in 1966. Two of these letters were issued in 1966. Approximately 255 horses were rounded up between April 1, 1966 and March 31, 1967, under these Letters of Authority.

For 1966 the grazing rental and taxes for grazing leases, grazing permits and road allowance leases were calculated on the same basis as for 1965, using the percentages of forage values as fixed by Order-in-Council 1655/62. These percentages are 20 percent for the South Grazing District, 16 2/3 percent for the Central Grazing District and 12 1/2 percent for the North Grazing District.

The formula for determining the forage value of an acre held under one of these three dispositions is as follows:

$$\frac{250 \times P}{cc}$$

where 250 represents the estimated gain expressed in pounds of beef, P represents the average price of beef and cc represents the carrying capacity expressed in the number of acres required to graze one animal unit (a 1,000 pound cow with calf under 6 months of age or their equivalent) for the year.

The average price of beef for the six month period of 1965 was 17.46 cents per pound compared with 17.98 cents per pound for the same period in 1964. The combined rental and tax charges for 1966 for grazing leases and road allowance leases for the period from January 1 to December 31, 1966, and on grazing permits for the period from April 1, 1966 to March 31, 1967 were determined by multiplying the forage value by the appropriate percentage and were as follows:

RENTAL PER ACRE FOR CALENDAR YEAR 1966

Carrying Capacity	Southern District 20%	Central District 16 2/3%	North District 12 1/2%
24	36½¢	30¼¢	22¾¢
32	27¼¢	22¾¢	17¢
40	21¾¢	18¼¢	13¾¢
50	17½¢	14½¢	11¢
60	14½¢	12¼¢	9¢

GRAZING RESERVES

Grazing rental on a per head basis for 1966 was set as follows:

Irrigated Grazing Reserves	\$3.00 per A.U.M.*
Pinhorn Grazing Reserve	\$2.30 per A.U.M.
Twin River Grazing Reserve	\$2.20 per A.U.M.
Buck Mountain, Minburn and Rannach Grazing Reserves	\$2.00 per A.U.M.
Wanham Grazing Reserve	\$1.90 per A.U.M.

* - A.U.M. - animal unit month or per month per animal unit

GRAZING RESERVES

Dry Land	Map	Acreage	Patrons	Animal Units Allotted
1. Buck Mountain	9R	16,982.08	34	3,405
2. Pinhorn (near Etzikom)	3R	76,358.5	130	13,377
3. Minburn	5R	13,527.44	81	6,904
4. Rannach	6R	13,350.373	78	5,072
5. Twin River	1R	30,869.93	71	9,430
6. Wanham	7R	15,049.5	46	4,790
Totals -		166,137.823	440	42,978
Irrigated				
1. Bow Island	8R	2,758.32	46	4,405
2. Grassy Lake	10R	2,711.54	(used with Purple Springs)	
3. Purple Springs	2R	1,905.42	63	5,776
4. Seven Persons	4R	6,174.06	46	3,147
Totals -		13,549.34	155	13,328
Combined Total -		179,687.163	595	56,306

PROPOSED GRAZING RESERVES

Name	Location
Barrhead - Lac Ste. Anne	Twps. 59 & 60, Rges. 7 & 8, W. 5
Cardinal Lake	Twp. 84, Rges. 25 & 26, W. 5 and Twp. 84, Rge. 1, W.6

Goodfare	Twps. 71 & 72, Rge. 13, W. 6
Harmon Valley	Twps. 81 & 82, Rges. 17 & 18, W. 5
Kleskun Lake	Twp. 73, Rge. 4, W. 6
Medicine Lake	Twps. 43 & 44, Rges. 5 & 6, W. 5
Moose Wallow	Twp. 61, Rges. 6 & 7, W. 5
Smoky Lake	Twps. 60 & 61, Rge. 18, W. 4
St. Paul	Twps. 55 & 56, Rges. 9 & 10, W. 4
Stony Plain	Twps. 51, 52 & 53, Rge. 6, W. 5
Thorhild	Twps. 62 & 63, Rges. 18 & 19, W. 4
Westlock (Black Bear)	Twps. 63 & 64, Rges. 25 & 26, W. 4
Wetaskiwin	Twp. 45, Rges. 3, 4, 5 & 6, W. 5
Whitemud	Twp. 87, Rges. 1 & 2, W. 6
Wolf Creek	Twps. 65 & 66, Rges. 4, 5, 6, 7 & 8, W. 4

HEAD TAX GRAZING AREAS

	Map	Location	Patrons	Animal Units Allotted
1. East Burnstick	1	Twp. 34, Rge. 6, W. 5	6	1,354
2. Horse Lakes Grazing Assoc.	2	Twps. 75 & 76, Rge. 16, W. 5	19	758
3. North Burnstick	1	Twps. 35 & 36, Rges. 6 & 7, W. 5	7	1,020
4. Northeast Burnstick	1	Twp. 35, Rge. 6, W. 5	8	1,210
5. Northwest Burnstick	1	Twp. 35, Rge. 7, W. 5	5	733
6. Southwest Burnstick	1	Twp. 34, Rge. 7, W. 5	1	282
7. South Cow Creek	3	Twp. 38, Rges. 8 & 9, W. 5	4	399
8. West Burnstick	1	Used with Southwest Burnstick		
9. West End Stock Assoc.	4	Twps. 31 & 32, Rges. 3 6 & 7, W. 5	3	559
Totals			53	6,315

Where no caretaker or facilities were provided by the department, grazing rental on a head tax basis was set as follows for 1966:

Grazing District "A" (South)	75¢ per month per animal unit
Grazing District "B" (Central)	65¢ per month per animal unit
Grazing District "C" (North)	45¢ per month per animal unit

During 1966 grazing permits were renewed to groups and individuals who previously held allotments in the Vauxhall area in the Bow River Irrigation District. Approximately 5,900 head of stock were grazed. Special administration arrangements are provided in conjunction with the Federal Government in this area.

The Buffalo Park and South Park Grazing Associations in the Wainwright area graze and cut hay on the land leased by the Department of National Defence under special administrative arrangements. During 1966 there were 9,938 cow months grazed by cattle belonging to 61 patrons. In addition 859 tons of hay were cut by 15 patrons.

GRAZING ASSOCIATION LEASES

Association	Map Location	No. of Patrons	No. of Stock	Acreage
1. Barnwell Grazing Assoc.	63	71	252	3,142.44
2. Basin Valley Grazing Assoc.	74	10	284	1,713.56
3. Bear Canyon Grazing Assoc.	35	4	51	1,433.5
4. Beaver Valley Grazing Assoc.	67	8	187	2,979.86
5. Big 4 Lease Assoc.	14	6	336	3,035
6. Blackfoot Grazing Assoc.	28	65	1,261	24,550.89
7. Bluefield Grazing Assoc.	6	15	575	11,726.14
8. Boundary Creek Assoc.	3	9	131	636.84
9. Howell West Grazing Assoc.	12	6	242	8,008.73
10. Bow Island Forty Mile Grazing Assoc.	9	38	972	28,967.43
11. B.T. Grazing Co-operative Ltd.	17	21	879	26,234.99
12. Bunker Hill Grazing Assoc.	75	4	350	6,397.19
13. Burkes Lake Stockmens Assoc.	32	14	305	3,622
14. Butcher Creek Grazing Co-op Ltd.	60	10	236	1,432.41
15. Campbell Creek Grazing Assoc.	53	6	170	2,711.5
16. Carcajou Grazing Assoc.	48	5	-	2,110.9

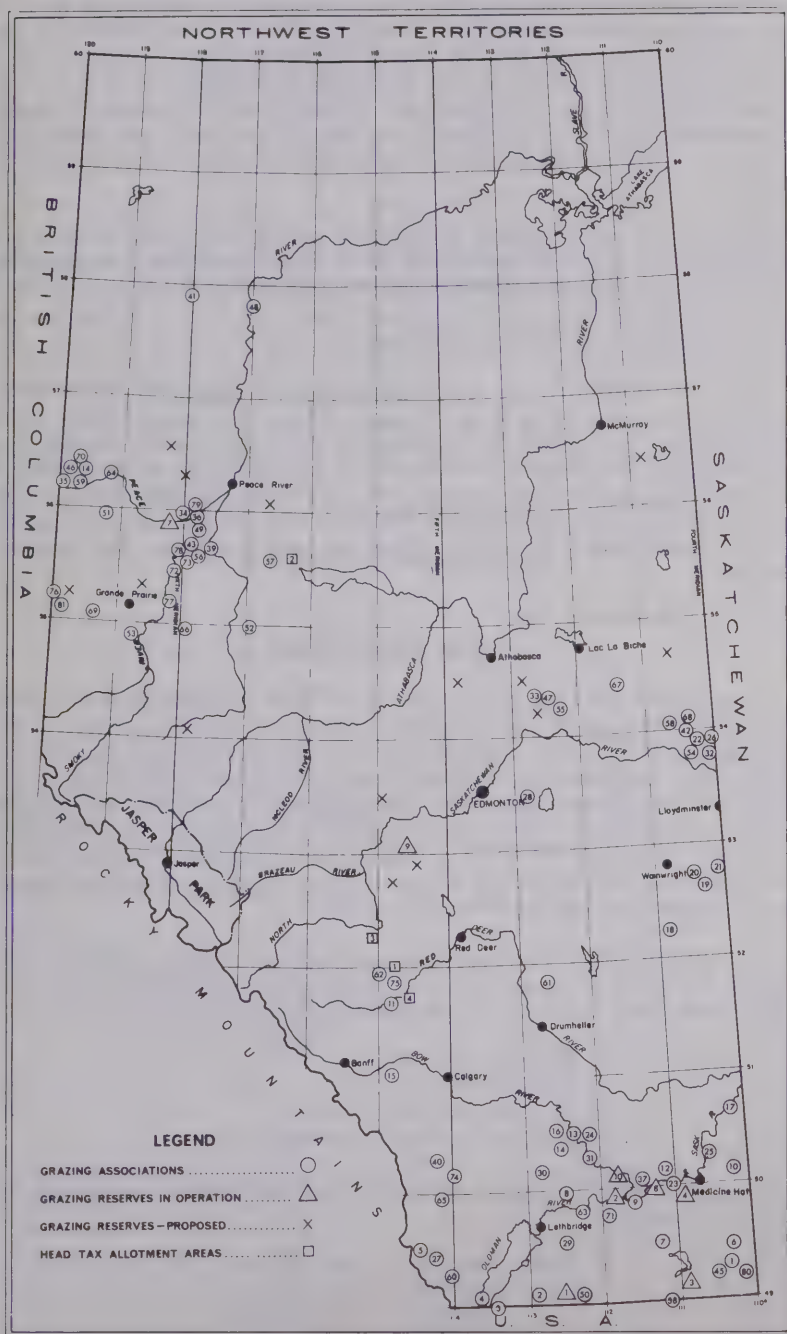
Association	Map Location	No. of Patrons	No. of Stock	Acreage
17. Castle River Stock Assoc.	27	9	304	6,159.192
18. Chauvin District Grazing Assoc.	21	11	87	1,113
19. Clear Hills Grazing Assoc.	55	12	421	8,877.4
20. Clear River Grazing Assoc.	44	3	75	3,491.6
21. Clearwater Cattle Society	64	8	39	3,123.8
22. Comrey Grazing Assoc.	1	21	1,147	29,953.68
23. Cressday Grazing Assoc.	80	12	437	12,032.66
24. Cresthill Farmers' Community Cattle Grazing Lease Assoc.	19	10	704	14,032.66
25. Deimuth Lease Assoc.	8	5	90	1,736.08
26. Drowning Ford Grazing Assoc.	25	43	1,631	33,069.5
27. Dunn Lake Cattle Assoc.	20	14	245	3,595.97
28. Eastern Irrigation District	31	5	259	4,879.89
29. East Peoria Smoky Grazing Assoc.	56	9	218	6,127.4
30. Elk Island Grazing Assoc.	34	4	76	1,936.39
31. Fincastle Grazing Assoc.	71	29	280	772.04
32. Fir Grove Stock Assoc.	5	7	192	4,342.677
33. Four Mile Creek Stock Improvement Assoc.	43	13	570	18,013.95
34. Frog Lake Cattle Assoc.	42	9	683	10,288.57
35. Garnier Lake Grazing Assoc.	58	10	464	17,842.3
36. Goodfare Grazing Assoc.	76	11	303	6,663.3
37. Green Prairie Grazing Group	13	3	136	2,875
38. Hays Stock Grazing Assoc.	37	32	616	15,462.784
39. Highland Grazing Assoc.	11	13	-	8,222.25
40. Island Lake Grazing Assoc.	47	6	-	5,760.19
41. Jumping Pound Stock Assoc.	15	8	1,169	12,744.19
42. Keg River Community Livestock Improvement Assoc.	41	5	73	1,550

Association	Map Location	No. of Patrons	No. of Stock	Acreage
43. Lakes Grazing Assoc.	18	6	238	1,906.76
44. Lekenwa Cliff Grazing Assoc.	52	5	116	1,598
45. Little Bow Grazing Assoc.	30	9	369	4,337.1
46. Little Smoky Grazing Assoc.	39	7	324	11,086.1
47. Lobley Grazing Assoc.	62	5	201	5,033.5
48. Lomond Grazing Assoc.	24	125	4,560	82,166.46
49. Long Valley Grazing Assoc.	36	6	176	4,349.7
50. Lucky Lake Grazing Assoc.	33	4	201	5,595.5
51. Many Island Lake Grazing Assoc.	10	36	975	17,565.28
52. Milk River Co-op. Grazing Assoc. Ltd	50	23	932	12,643.92
53. Nemiscam Community Pasture #1	7	24	224	4,780.6
54. Nemiscam Community Pasture #2	45	40	980	33,951.39
55. North Eaglesham Grazing Assoc.	49	6	167	2,889.
56. North Goodwin Stock Improvement Assoc.	72	13	586	12,913.8
57. North Group Cattle Assoc.	22	8	579	10,571.42
58. North Wapiti Stock Improvement Assoc.	69	4	106	5,996.74
59. Old Frontier Grazing Assoc.	54	14	1,997	10,207.35
60. Peace River Grazing Assoc.	59	4	80	8,380.3
61. Peace Valley Stockmans Assoc.	79	5	-	6,728.9
62. Pipeline Grazing Assoc.	23	18	942	23,144.98
63. Poll Haven Community Pasture	4	53	1,271	10,462
64. Ross Lake Community Pasture	2	28	465	4,473
65. Rowley Grazing Assoc.	61	35	487	5,425
66. Silver Valley Grazing Assoc.	46	4	145	3,368.7
67. Simonette Grazing Assoc.	77	6	99	3,058
68. Smoky Lake Grazing Assoc.	68	10	-	11,362.98
69. Smoky River Grazing Assoc.	78	5	-	3,922.5

Association	Map Location	No. of Patrons	No. of Stock	Acreage
70. Spring Creek Grazing Assoc.	66	7	-	4,081.6
71. Spruce Ranching Co-op. Ltd.	40	27	2,279	19,138.17
72. Stirling Pasture Company Ltd.	29	18	129	747
73. Tide Lake Grazing Assoc.	16	11	383	15,990.97
74. Tulliby Lake Stockmans Assoc.	26	38	1,831	16,748.6
75. Waldron Ranching Co-op	65	96	5,163	15,581.58
76. West Blueberry Cattlemen's Assoc.	51	5	75	1,920
77. Whitemud Creek Grazing Assoc.	73	5	248	12,301.35
78. Winagami Grazing Assoc.	57	7	245	3,996
79. Windsor Creek Grazing Assoc.	81	5	-	6,665.8
80. Wolf Creek Grazing Assoc.	70	5	90	6,809.6
81. Writing On Stone Grazing Assoc.	38	40	704	15,390.05
Totals		1,371	43,817	790,659.553

ASSOCIATIONS HOLDING ANNUAL GRAZING PERMITS

Boundary Creek	191.5 acres
Lomond	2,814.09 "
Total	3,005.59 "
In Vauxhall area:	
East Hays Group	2,084. acres
Hays Stock	27,226.9 "
Riverbend	2,663 "
Vauxhall	57,102.3 "
West Group Hays	1,676 "
Total	90,752.2 "



FIELD INSPECTIONS

Land appraisals and other field inspections were carried out by a complement of 18 permanently employed Land Appraisers, 3 temporarily employed Land Appraisers, the Public Land Appraising Co-ordinator and the Assistant Co-ordinator. As most of the available public land is located in the Peace River and Grande Prairie areas, 9 permanently employed and 3 temporarily employed Land Appraisers were utilized in these two areas. To expedite the field work in these areas, additional assistance was provided by staff from Edmonton headquarters.

A total of 4,001 general inspections, 3,510 soil inspections and 519 collections were completed during the fiscal year. Furthermore the field staff have devoted some time to land use studies necessary to establish the optimum land use of public lands in certain regions. These areas were for the most part adjacent to the forested zone of the province.

The Lands Division is now working on a co-operative basis with the Farm Adjustment Program in C.D. 14 under ARDA. All appraisals for the purchase of patented land under this program are carried out by the District Supervisor of the area. The District Supervisor has also been appointed as a member of the Farm Adjustment Committee for the area. Approximately 60 quarter sections were appraised during the year. It is anticipated that as this program is extended to include other areas there will be a considerable increase in appraisals required.

LAND CLASSIFICATION

There has been an intensification of land classification to determine the optimum land use of all public lands particularly in the areas adjacent to the forested area of the province. Included in the areas studied and classified were the Rocky Mountain House area, Sundre area south to the Stony Indian Reserve, McLeod River Watershed, Chip Lake Watershed and Easyford area. It has been found that a high degree of co-ordination with other agencies, administrative work, etc. is necessary in order to determine the optimum land use. This includes contacting land owners of the area, other agencies and attending public meetings for comments and constructive criticisms.

In addition to the above, preliminary land use zoning, with some assistance from the field staff has been done on the following areas in co-operation with the Forest Surveys Section of the Forestry Division.

1. Medicine River Area
2. Rose Creek Area
3. Provost - Wainwright Area
4. Whitecourt - Fort Assiniboine Area

The following townships were inspected and reported on for suitability for settlement purposes.

- Twp. 109, Rge. 8, W. 5th Mer.
- Twp. 109, Rge. 9, W. 5th Mer.
- Twp. 109, Rge. 10, W. 5th Mer.

Preliminary surveys related to agricultural and other uses were conducted on the areas west of High Level but final reports have not been made.

Intensive planning in conjunction with the Water Resources Branch and other agencies for opening for settlement was conducted on the following lands.

Twp. 110, Rge. 15, W. 5th Mer.
 S.½ Twp. 110, Rge. 17, W. 5th Mer.
 S.½ Twp. 110, Rge. 18, W. 5th Mer.
 Twp. 105, Rge. 13, W. 5th Mer.
 Twp. 106, Rge. 13, W. 5th Mer.
 Pt. Twp. 107, Rge. 13, W. 5th Mer.

Assistance was given in planning and co-ordinating field trips for the field staff through Smoky Lake, St. Paul and Vegreville. Other help was given in advising and co-ordinating the work of the inspectors in respect to soils and to develop uniformity in regard to land use recommendations.

In addition to the above work, a great number of special cases relating to best land use were reviewed, through the use of aerial photographs, soil survey reports and other technical information.

The Land Use Specialist participated in a tour with the Soil Fertility Advisory Group in Central and Southern Alberta and also attended a meeting on Resource Data Systems in Regina.

STATISTICS - PUBLIC LAND

April 1, 1966 to March 31, 1967

	No.	Area
HOMESTEAD LEASES - CIVILIAN		
Leases in force at April 1, 1966	2893	746,447.02
Leases issued during fiscal year	4	957.20
Leases patented during fiscal year	198	48,824.33
Leases cancelled during fiscal year	351	95,600.72
Leases in force at March 31, 1967	2348	602,979.17
HOMESTEAD LEASES - VETERAN		
Leases in force at April 1, 1966	325	90,644.16
Leases issued during fiscal year	0	0
Leases patented during fiscal year	39	10,420.49
Leases cancelled during fiscal year	34	9,869.44
Leases in force at March 31, 1967	252	70,354.23
HOMESTEAD SALES - CIVILIAN		
Sales in force at April 1, 1966	3611	952,792.59
Sales granted during fiscal year	1010	271,895.61
Sales patented during fiscal year	148	37,431.26
Sales cancelled during fiscal year	412	111,927.33
Sales in force at March 31, 1967	4061	1,075,329.61

	No.	Area
HOMESTEAD SALES - VETERAN		
Sales in force at April 1, 1966	127	36,747.58
Sales granted during fiscal year	33	9,421.88
Sales patented during fiscal year	11	3,010.40
Sales cancelled during fiscal year	11	3,198.45
Sales in force at March 31, 1967	138	39,960.61
HOMESTEAD LOANS		
Loan contracts in force at April 1, 1966	1093	
Loan contracts issued during fiscal year	247	
Loan contracts cancelled during fiscal year	17	
Loan contracts paid in full during fiscal year	216	
Loan contracts in force at March 31, 1967	1107	
HOMESTEAD LOAN SALES		
Sales in force at April 1, 1966	136	35,665.53
Sales granted during fiscal year	27	7,119.19
Sales patented during fiscal year	59	15,607.87
Sales cancelled during fiscal year	0	5.15
Sales in force at March 31, 1967	104	27,171.70
CROP SHARE LEASES - CLEARING PROJECT		
Leases in force at April 1, 1966	4	1,274.92
Leases issued during fiscal year	0	0
Leases cancelled during fiscal year	2	638.98
Leases in force at March 31, 1967	2	635.94
PURCHASE AGREEMENTS - CLEARING PROJECT		
Sales in force at April 1, 1966	56	17,945.83
Sales issued during fiscal year	0	0
Sales patented during fiscal year	14	4,486.91
Sales cancelled during fiscal year	0	0
Sales in force at March 31, 1967	42	13,458.92
SEED CROP LEASES		
Leases in force at April 1, 1966	3	16,349.60
Leases issued during fiscal year	0	0
Leases cancelled during fiscal year	0	0
Leases in force at March 31, 1967	3	16,349.60
MISCELLANEOUS LEASES		
Leases in force at April 1, 1966	1123	76,723.14
Leases issued during fiscal year	183	9,230.03
Leases cancelled during fiscal year	151	11,357.08
Leases in force at March 31, 1967	1155	74,596.09
Permits issued during fiscal year	1156	

	No.	Area
LICENCE OF OCCUPATION		
Licences in force at April 1, 1966	927	
Licences issued during fiscal year	364	
Licences cancelled during fiscal year	105	
Licences in force at March 31, 1967	1186	
EASEMENTS		
Easements in force at April 1, 1966	2108	
Easements issued during fiscal year	199	
Easements cancelled during fiscal year	37	
Easements in force at March 31, 1967	2270	
MINERAL SURFACE LEASES		
Leases in force at April 1, 1966	2513	90,920.15
Leases issued during fiscal year	931	22,895.40
Leases cancelled during fiscal year	207	5,508.28
Leases in force at March 31, 1967	3237	108,307.27
TOWNSITE LEASES		
Leases in force at April 1, 1966	2	51.70
Leases issued during fiscal year	0	0
Leases cancelled during fiscal year	0	0
Leases in force at March 31, 1967	2	51.70
PIPE LINE AGREEMENTS		
Agreements in force at April 1, 1966	1893	16,759.29
Agreements issued during fiscal year	405	5,390.43
Agreements cancelled during fiscal year	6	20.55
Agreements in force at March 31, 1967	2292	22,129.17
PIPE LINE INSTALLATIONS		
Installations in force at April 1, 1966	42	240.51
Installations issued during fiscal year	68	175.42
Installations cancelled during fiscal year	2	3.72
Installations in force at March 31, 1967	108	412.21
RIGHT OF ENTRY		
Right of Entry at April 1, 1966	6007	
Right of Entry granted during fiscal year	75	
Right of Entry cancelled during fiscal year	121	
Right of Entry at March 31, 1967	5961	
Applications received during fiscal year	53	
ACCRUED AREA		
Leases in force at April 1, 1966	201	13,860.42
Leases issued during fiscal year	0	0
Leases cancelled during fiscal year	52	5,041.64
Leases in force at March 31, 1967	149	8,818.78

	No.	Area
PUBLIC LAND SALES		
Sales in force at April 1, 1966	1619	239,552.28
Sales issued during fiscal year	244	25,620.04
Sales patented during fiscal year	296	31,852.87
Sales cancelled during fiscal year	16	1,735.11
Sales in force at March 31, 1967	1551	231,584.34
AGRICULTURAL FARM SALES		
Sales in force at April 1, 1966	1509	269,747.81
Sales issued during fiscal year	245	47,005.91
Sales patented during fiscal year	1	159.97
Sales cancelled during fiscal year	43	8,666.40
Sales in force at March 31, 1967	1710	307,927.35
CULTIVATION LEASES		
Leases in force at April 1, 1966	889	168,621.96
Leases issued during fiscal year	66	15,727.19
Leases cancelled during fiscal year	125	24,715.59
Leases in force at March 31, 1967	830	159,633.56
SAND AND GRAVEL LEASES		
Leases in force at April 1, 1966	369	
Leases issued during fiscal year	37	
Leases renewed during fiscal year	2	
Leases cancelled during fiscal year	65	
Leases in force at March 31, 1967	341	
Licences issued during fiscal year	76	
Exploration licences issued during fiscal year	13	
QUARRYING LEASES		
Leases in force at April 1, 1966	5	
Leases issued during fiscal year	0	
Leases cancelled during fiscal year	1	
Leases in force at March 31, 1967	4	
AUCTION SALES		
	Listed	Sold
Public Lands	147	136
Highest Price Per Acre	\$217.00	
Average Price Per Acre	17.88	
1 lot sold at Auction for	\$1,000.00	
TRANSFER OF ADMINISTRATION AND CONTROL		
Department of Municipal Affairs	58 parcels	
St. Mary and Milk Rivers Development	2 parcels	
Department of Public Works	2 parcels	
FREE GRANTS		
	4 quarters	
EXCHANGE OF LANDS		
	19 quarters	

LAND PURCHASES UNDER A.R.D.A. LAND ASSEMBLY PROGRAM

62 quarters

No.

Area

GRAZING LEASES

Leases in force at April 1, 1966	4280	4,399,748.48
Leases issued during fiscal year	220	163,709.68
Area added by Amendment		46,939.51
Leases cancelled during fiscal year	201	126,572.78
Area deleted by amendment		36,740.47
Leases renewed during fiscal year	514	415,990.24
Leases in force at March 31, 1967	4299	4,447,084.42

GRAZING PERMITS

Edmonton	915	154,937.97
Calgary	738	210,474.19
Peace River	358	107,067.54
Grande Prairie	134	49,895.14

HAY PERMITS

Number of Permits issued	387
Number of tons cut	5017

ROAD ALLOWANCE

Leases in force at April 1, 1966	1876	73,006.02
Leases issued during fiscal year	227	4,425.93
Leases cancelled during fiscal year	106	3,998.53
Leases in force at March 31, 1967	1997	73,433.42

INSPECTIONS

GENERAL

Requests outstanding at April 1, 1966	2267
Requests called during fiscal year	3487
Reports received during fiscal year	4001
Requests outstanding at March 31, 1967	1753

SOIL SURVEY

Requests outstanding at April 1, 1966	1000
Requests called during fiscal year	3503
Reports received during fiscal year	3510
Requests outstanding at March 31, 1967	993

Collection reports received during fiscal year	519
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APPLICATIONS	No.
Grazing (new)	433
Grazing (renewal)	319
Road allowance	275
Homestead Loans	505
Homestead Sales	1,233
Mineral Surface	874
Pipe Line Agreement	390
Pipe Line Installation	29
Cultivation	103
Purchase	125
Miscellaneous	276
Licence of Occupation	503
Easements	212
Sand and Gravel	121
Right of Entry	53
Agricultural Farm Sale	308
Accrued Area	-
	TOTAL
	5,759
Cancelled Applications	1,357

FORESTRY

REPORT OF THE DIRECTOR *R.G. STEELE*

The Alberta Forest Service continued reorganization of management practices and administrative procedures during the year in anticipation of significant increases in timber utilization throughout the province.

Although the quota system of timber disposal was implemented with the issuance and sale of substantial volumes of coniferous sawlog and roundwood material, adverse market conditions and lack of access roads deterred the expected increases in lumber production. Interest in the development of additional pulp mills continued. McMillan Bloedel Ltd., confirmed its intention to proceed with an operation in the Whitecourt area. Initially a newsprint and paper product plant will be constructed. Exploratory permits were issued in the Grande Prairie and Rocky Mountain House areas but the definite development of mills in these locations has not been proposed to date. The North Western Pulp & Power Ltd., is conducting a comprehensive survey to determine the feasibility of expanding its operation at Hinton.

Various investigations and meetings were held to stimulate an interest in the utilization of the vast poplar resources in the province and studies are continuing.

Staff adjustments were made at both Head Office and Field Office levels. The Forest Protection Branch was divided into six sections with a supervisor in charge of each under the co-ordination of the Forest Protection Administrator. The sections are Fire Control, Fire Weather, Communications, Fire Research, Mechanical and Equipment Development and Construction and Maintenance. All Head Office Branches are now uniformly sectionalized and closely correspond with the supervisory specialization in the eleven Forest Headquarters.

Many ranger districts were amalgamated to provide improved working conditions and balanced work loads for ranger staff. Responsibility for the supervision of field activities is gradually being shifted from Head Office in Edmonton to Forest and district offices. Major increases in land uses in the forested areas and reforestation practices has required some staff additions particularly in specialized fields.

Training of permanent staff and outside support personnel continued to the capacity of the training services. The Junior Forest Ranger program was increased by one third.

Severe fire conditions prevailed once again in the north-west part of the province where two fires accounted for a majority of the provincial fire losses. Aircraft were used liberally including Canso bombers on loan from Manitoba and Ontario.

The construction program continued at a normal level with considerable level with considerable assistance from the Department of Public Works and funds from the Northern Development Council.

More specific details are reported in the various Branch reports that follow.

PROTECTION

FIRE SUPPRESSION

Suppressive action was taken on 371 fires. An area of 69,950 acres was burned over, consisting of 35,842 acres of forested land, 30,915 acres of non-forested land and 3,193 acres of private land. The 371 fires are shown below by size class.

- 178 Class "A" or small fires ($\frac{1}{4}$ acre or less)
- 117 Class "B" (over $\frac{1}{4}$ acre up to 10 acres)
- 42 Class "C" (over 10 acres up to 100 acres)
- 21 Class "D" (over 100 acres up to 500 acres)
- 13 Class "E" (over 500 acres)

In addition to the above, action was taken on 34 fires that were not the responsibility of the Forest Service. These fires burned over an area of 1,253 acres.

FIRE DETECTION

Expansion of the fire detection system continued, bringing the total number of lookouts to 146. A distance of 45,600 miles was flown by aircraft on fire patrol during which 59 fires were discovered.

The fires reported by different agencies are shown on the accompanying tables.

AIRCRAFT OPERATIONS

	Government Owned	Leased	Chartered	Total
Helicopters	3	6	15	24
Fixed Wing	3	8	52	63
Total	6	14	67	87

Total hours flown - 9,335

Cargo carried - 988 tons of equipment and 18,206 men.

Fire - aircraft used on 129 fires.

Helicopter CF-KEY was burned after an accident while working on a fire and was replaced by a Bell 47AJ2 helicopter CF-AFI.

COMPARISON OF FIRE CAUSES BY PERCENTAGES
FOR THE YEARS 1957 to 1966 INCLUSIVE

CAUSE	1957	1958	1959	1960	1961	1962	1963	1964	1965	CAUSE	1966
Campers	17.8	23.1	20.9	23.0	13.1	18.0	15.3	17.2	15.1	Recreation	19.1
Smokers	9.5	13.8	12.2	11.8	9.0	4.0	6.9	10.9	7.5		
Settlers	16.7	17.0	13.2	12.0	9.4	6.1	5.2	14.8	4.4	Settlement	13.5
Railways	1.6	5.6	2.6	2.5	0.2	3.6	1.3	1.8	2.8	Railroads	1.9
Lightning	18.3	17.5	23.0	22.2	41.8	37.8	47.5	25.1	45.2	Lightning	28.3
Industrial	12.8	6.0	5.3	9.1	7.5	14.7	6.9	7.7	9.5	Other Industries	20.2
										Wood Industries	1.9
Incendiary	14.4	10.3	15.3	12.2	10.5	6.8	12.8	16.6	9.9	Incendiary	9.4
Public Projects	2.2	1.5	2.6	1.9	2.2	2.5	0.5	4.7	2.8	Public Projects	2.2
Unclassified	1.1	1.5	2.8	1.9	1.9	2.2	0.9	0.9	1.6	Misc. Known	3.0
Unknown	5.6	3.7	3.4	2.5	4.4	4.3	2.7	0.3	1.2	Unknown	0.5

SUMMARY SHOWING TOTAL NUMBER OF FIRES AND BURNT OVER AREAS
FROM 1955 to 1966 INCLUSIVE

Year	Total Fires	Non- Forested Acres	Forested Acres	Total Area Acres	Suppression Costs \$
1955	232	76,716	124,578	201,294	165,906
1956	258	116,679	577,801	694,480	657,092
1957	180	3,777	11,709	15,486	129,956
1958	464	75,753	155,240	230,993	1,475,347
1959	469	36,805	51,154	87,959	1,184,341
1960	474	9,497	10,463	19,960	345,623
1961	811	36,288	157,257	193,545	2,365,862
1962	278	1,386	3,120	4,506	210,869
1963	554	3,055	14,554	17,609	609,502
1964	338	6,325	8,732	15,057	396,719
1965	252	4,565	49,769	54,334	574,516
1966	371	34,108	35,842	69,950	1,305,603
TOTALS	4,681	404,954	1,200,219	1,605,173	9,421,336

ANNUAL STATEMENT OF FIRES BY CAUSES, MONTHLY DISTRIBUTION, ETC.

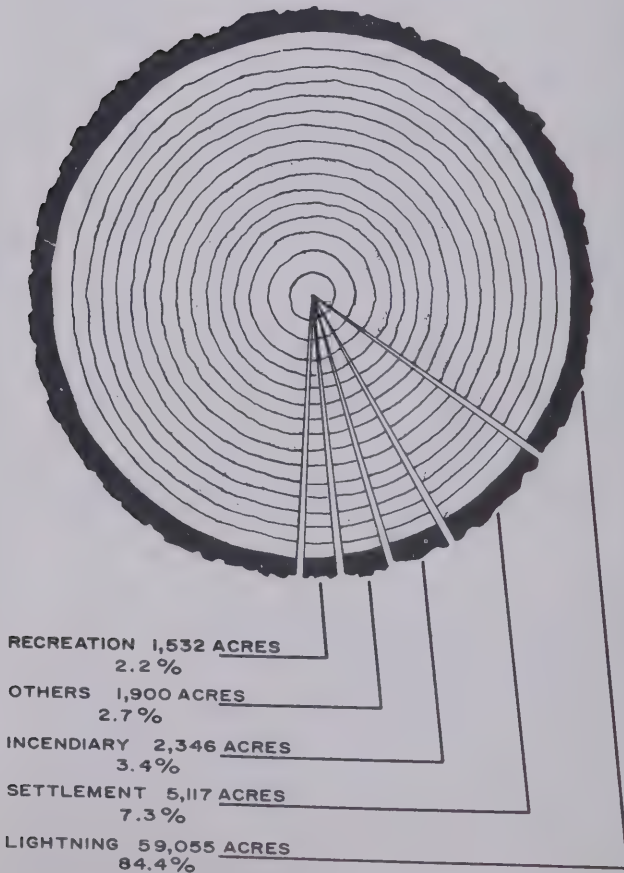
CAUSE	NUMBER							MONTHLY DISTRIBUTION												DISCOVERED BY				DAMAGE \$	AREA				
	A	B	C	D	E	TOTAL	%	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOWNS	PUBLIC	FOREST INDUSTRIES			CROWN LAND	PRIVATE LAND	TOTAL		
																						Acres	Acres					Acres	Acres
Recreation	47	21	-	1	2	71	19.1	-	-	-	3	12	5	2	5	16	21	7	-	-	12	31	21	6	1	9,654	1,190	342	1,532
Wood Industries	5	1	1	-	-	7	1.9	-	-	-	1	4	-	-	-	1	-	-	1	1	5	1	-	-	-	515	31	-	-
Settlement	11	11	14	13	1	50	13.5	-	-	-	2	33	5	-	2	3	5	-	-	17	21	7	5	-	8,758	2,479	2,638	5,117	
Railroad	2	2	2	1	-	7	1.9	-	-	-	-	5	1	-	-	1	-	-	-	1	1	-	-	5	1,404	254	38	292	
Lightning	51	36	8	2	8	105	28.3	-	-	-	-	7	65	29	2	2	-	-	-	-	61	4	4	36	-	519,012	59,055	-	59,055
Other Industries	37	26	8	3	1	75	20.2	-	-	-	2	26	19	4	5	6	12	1	-	-	20	34	11	10	-	3,873	1,424	73	1,497
Incendary	12	14	7	1	1	35	9.4	-	-	-	1	29	3	-	2	-	-	-	-	14	8	10	2	1	11,044	2,290	56	2,346	
Public Projects	4	2	2	-	-	8	2.2	-	-	-	-	2	-	1	-	-	5	-	-	-	-	6	2	-	-	24	28	45	73
Miscellaneous Known	8	3	-	-	-	11	3.0	-	-	-	1	3	2	2	1	-	2	-	-	-	-	7	4	-	-	16	5	1	6
Unknown	1	1	-	-	-	2	0.5	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-	-	-	1	-	1
TOTALS	178	117	42	21	13	371	-	-	-	-	10	121	100	38	17	29	47	8	1	126	119	60	59	7	554,300	66,575	3,193	69,950	
PER CENT	48.0	31.5	11.3	5.7	3.5	-	100	-	-	-	2.7	32.6	26.9	10.2	4.6	7.8	12.7	2.2	0.3	33.9	32.1	16.2	15.9	1.9	-	95.4	4.6	100	

FOR THE YEAR 19 66

FOREST	CLASS OF FIRE				LANDS AFFECTED (ACRES)						VOLUME LOSS				VALUE LOSS IN DOLLARS						SUPPRESSION COSTS				
	A	B	C	D	Machineable Timber	Young Growth	OPEN LAND		Partial Products	New Products	Partial Loss	Total Area	New Timber Ad. P. B. L.	Other Cuts	New Timber P. B. L.	Other Cuts	Young Growth	Partial Products	Total	Other Property	Total Loss	1	2	3	
							Partial Products	New Products																	
Crowstert	4	1	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	343	-	1
Bow River	9	4	1	-	4	23	2	3	32	-	32	13	88	65	125	333	3	526	-	526	-	526	2077	-	-
Clearwater-Rocky	28	6	1	-	20	6	-	-	26	3	29	-	319	-	159	45	-	204	-	204	-	204	4205	-	-
Edson	9	9	-	-	1	1	3	7	12	1	13	-	8	-	12	-	1	13	-	13	-	13	4575	-	-
Whitecourt	17	11	7	2	198	92	225	82	597	407	1004	99	1802	579	1830	716	337	3462	-	3462	-	3462	23206	-	-
Lac La Biche	7	16	5	3	843	964	527	1616	3980	588	4538	272	14196	1390	8720	7621	788	18319	-	18319	-	18319	34080	-	-
Athabasca	2	7	-	-	2653	1282	122	2173	6230	-	6230	1959	43172	9943	58850	19260	183	88276	-	88276	-	88276	75927	-	-
Slave Lake	52	25	10	3	292	21	658	285	1256	268	1524	85	1547	428	1400	159	989	2976	-	2976	-	2976	62215	-	-
Grande Prairie	11	-	2	1	80	7	-	50	137	45	182	90	364	454	229	88	-	771	-	771	-	771	3523	-	-
Peace River	15	14	6	9	1460	119	99	734	2412	1126	3538	105	22012	536	11468	884	149	16037	-	16037	-	16037	74843	-	-
Footner Lake	24	24	10	3	7406	11937	6756	25965	52104	755	52859	20044	118483	120032	122573	170310	10195	423516	-	423516	-	423516	1020609	-	-
TOTALS	178	117	42	21	131257	14452	8433	30915	66757	3193	69950	22677	201991	133427	208912	159416	12645	554300	-	554300	-	554300	1305603	-	-

AREA BURNED BY CAUSE -1966-

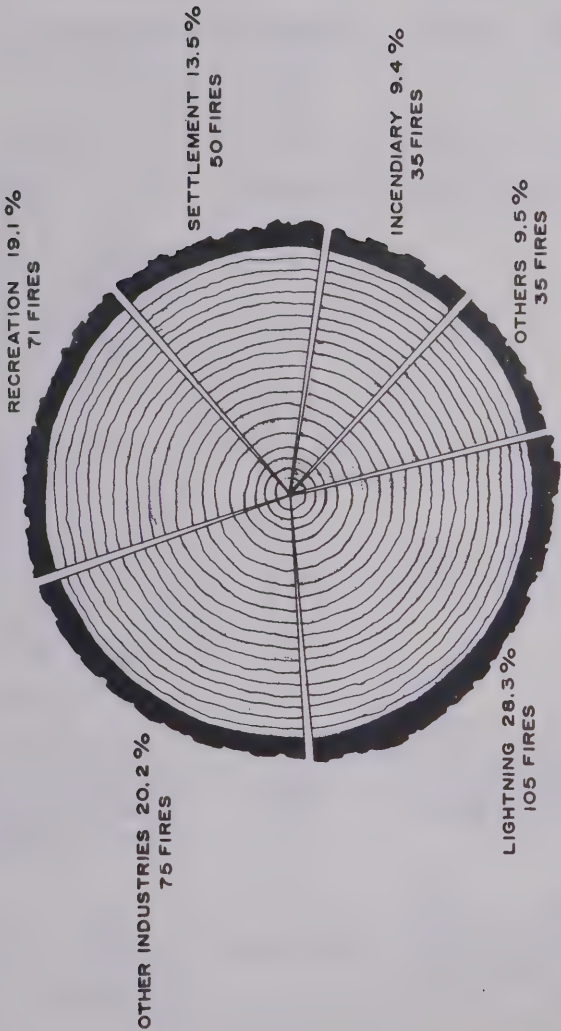
NON-FORESTED	34,108 ACRES
FORESTED	35,842 ACRES
TOTAL	69,950 ACRES



THE 1,900 ACRES OR 2.7% UNDER "OTHERS" INCLUDES WOOD INDUSTRIES, OTHER INDUSTRIES, RAILROADS, PUBLIC PROJECTS, MISCELLANEOUS KNOWN AND UNKNOWN.

NUMBER OF FIRES BY CAUSE 1966

TOTAL FIRES 371



THE 35 FIRES OR 9.5% UNDER "OTHERS" INCLUDES RAILROADS, WOOD INDUSTRIES, PUBLIC PROJECTS, MISCELLANEOUS KNOWN AND UNKNOWN.

FIRE WEATHER AND FIRE DANGER FOR 1966

Snowfall during the winter of 1965/66 was near normal over all the Forest regions.

SUMMARY

Low fire danger.	APRIL	Cool, light snow during month.
High to extreme fire danger in the north Peace River and Footner Lake regions only - Low to moderate elsewhere.	MAY	The northern areas were quite dry and the Fort Vermilion area experienced near drought conditions. The Forest areas south of a line from Grande Prairie to Fort Chipewyan all received much above normal rainfall. Thunderstorm activity was generally light.
	JUNE	
Low to moderate fire danger in all regions.	JULY	Rainfall was varied, but most parts of northern Alberta showed an upward trend in rainfall. The pattern of a wet summer continued for southern Alberta. Thunderstorm activity was heavy but with few exceptions was accompanied by heavy rainshowers.
Low to moderate fire danger except briefly during the 1st and 3rd week in the Peace River and Crowsnest Forest Regions.	AUGUST	Except for a brief warm dry period from the 21st to the 26th, the weather was mostly cloudy, cool, with rainshowers. Thunderstorm activity was light.
Low to moderate fire danger except briefly in the Bow River and Crowsnest Forest regions near mid-month.	SEPTEMBER	A warm, dry month, although conditions turned cloudy and cool near the end of the month. Thunderstorm activity was light.

October weather featured temperatures which averaged close to normal. Heavy snow fell in Southern Alberta near mid-month and the last week in October brought cold weather and a blanket of snow to the more Northerly regions.

COMMUNICATIONS

1966 — 1967

TELETYPE

TERMINAL STATIONS	13
CIRCUIT MILES	1,225
MESSAGES BY TELETYPE	154,388
MESSAGES BY RADIO	35,889
TOTAL:	190,277

RADIO STATIONS	VHF	HF	SSB	VHF	HF	VHF	HF	TOTAL
HEADQUARTERS		5		1	6			12
LOOKOUTS (COMPLETED)				62	70			132
LOOKOUTS (INCOMPLETED)				7	1			8
RANGER STATIONS				23	53			76
MOBILES				2	110		28	140
PORTABLES					235		146	381
REPEATERS					4			4
AIRCRAFT					14			14
INTERPROVINCIAL							9	9
OTHER DEPARTMENTS								7
		5		95	493		183	783

FIRE CONTROL STATIONS	VHF	SSB	HF	TOTAL
BASE STATIONS	26	10	9	45
PORTABLES	132		140	272
REPEATERS	5			5
	163	10	149	322

POWER PLANTS

HEADQUARTERS STANDBY	4
RANGER STATIONS	17
LOOKOUTS	143
FIRE CAMPS	20

MAINTENANCE AND CONSTRUCTION	14
AIR FIELDS	4
TOTAL	202

Alberta Government Telephones completed design and equipment order for the Footner Lake Forest to be installed during the summer of 1967.

Alberta Government Telephones had considerable difficulty with the VHF system in Slave Lake and finally had it tuned up for satisfactory performance in June and it was accepted as of that date.

Single Side Band was utilized for the first time this year and provides considerably better communications than medium frequency AM in the Northern areas where VHF contact is not possible at present due to distances and terrain.

The design, prototype and Department of Transport approval for a new 12 channel VHF FM Aircraft Unit was carried out and Alberta Government Telephones was to arrange for production of the units. This unit will carry all forest frequencies and both fire control frequencies.

The provision of a Unicom System for Aircraft Control at fires, bombing control and control of itinerant aircraft on hire was approved, but equipment capable of filling the requirements is not yet available due to difficulty in securing crystals by the manufacturer.

FIRE RESEARCH

The new fire research section co-ordinated with the federal forestry research organization on studies to increase basic knowledge of forest fire. Cost benefit research studies were initiated in the field of fire control performance and operation.

MECHANICAL MAINTENANCE AND EQUIPMENT DEVELOPMENT

An engineer was appointed as supervisor of the section. Planning was started to improve the use and maintenance of all mechanical equipment. Development of new forestry equipment was continued and the major project was the construction of the boat M.B. Athabasca for use on the Athabasca River.

CONSTRUCTION AND MAINTENANCE

Under the terms of the Federal Provincial Forestry Agreement, there was an expenditure of \$421,000 on road construction.

New Road Work Accomplished:

Road Grade	54.9 miles
Right-of-way cleared	323.5 acres
Total length of new bridges	583 feet

Road maintenance was aggravated by flood condition in the Rocky-Clearwater Forest. A total of 22 Forest Service graders were utilized in maintenance work.

Nine airstrips were constructed at a cost of \$233,350 bringing the airstrip total to 108. One licensed airport and three commercial type bush airstrips were constructed for the Northern Alberta Development Council.

BUILDINGS:

The construction of new buildings involved an expenditure of \$173,685.

The following chart indicates the projects constructed in 1966 and the total number of forestry structures. This does not include major building construction at forest headquarters which is the responsibility of the Department of Public Works or buildings constructed for the Northern Alberta Development Council.

Type of Building	Number of Buildings Constructed up to and including 1965	Buildings Constructed 1966	Total
Residences	142	1	143
Primary Lookouts	138	8	146
Secondary Lookouts	35	2	37
Garages	70	Nil	70
Garage-Cache Combination	15	Nil	15
Tool Caches	70	Nil	70
Lookout Cabins	102	8	110
Engine Houses	164	8	172
Barns	26	Nil	26
Campshelters	55	Nil	55
Campgrounds	114	Nil	114
Stopover Cabins	40	Nil	40
Trailer House 3 B.R.	5	Nil	5
Offices		3	3
Misc. Buildings:			
Fuel sheds, boat sheds, speeder sheds, remote receiver sheds, etc.	440	4	444
TOTAL	1416	34	1450

MANAGEMENT**MANAGEMENT PLANS:**

The quota system, a new method of timber disposal, was implemented in the Province during 1966. The following table summarizes the total harvestable volumes of each Forest, which were issued under the quota system as of March 31, 1967:

Forest	MM F.B.M.	MM Lineal Feet
Crowsnest	27.3	1.3
Bow River	18.9	4.9
Rocky-Clearwater	38.0	3.1
Edson	1.6	-
Whitcourt	9.7	1.9
Slave Lake	69.0	
Grande Prairie	31.7	
Peace River	53.7	
Footner Lake	93.7	
Lac La Biche	21.8	
Athabasca	19.3	
MacMillan Bloedel Ltd.		
Pulpwood Lease and Reserve	55.0*	
TOTAL	439.7	11.2

*The MacMillan Bloedel Ltd., pulpwood lease and reserve is located within the Slave Lake and Whitcourt Forests.

In addition to quotas the annual production from Forest Management Lease Agreements is 34 million F.B.M. and 373,723 cords.

Further quotas totalling 29.0 million F.B.M. have been organized, and will be available for sale at such time as the lumbering industry has consolidated operations in the existing quotas.

WOODS OPERATIONS

(a)	Timber Licences	Special Timber Permits
Operations Active	271	48
Inspections Reported (Active)	1,371	164
Suspensions	4	-

	Timber Licences	Special Timber Permits
Penalties	23	1
Seizures	5	.
Annual Operating Plans Approved	86	.

(b) Tree Scaling

Of sixty-four current licences on tree scale, thirty-four were operated. Production from tree scale licences totalled 58,203,077 f.b.m. coniferous species and 42,892 f.b.m. poplar, an increase of approximately 3 million f.b.m. over last year.

(c) Log and Pulpwood Scaling

There were 97 timber licences on International 5/16 Inch Log Scale, in addition to weight scale operations on two lease areas.

Total volumes scaled were:

(1) Saw and Peeler Logs	87,162,663 f.b.m.
(2) Pulpwood Stacked Cords	250,618 cords
(3) Pulpwood Weight Scale	45,000 cords (approx.)
(4) F.B.M. Weight Scale	53,254,058 f.b.m.

There were no licences operating on the Alberta Cubic Foot Log Rule.

(d) Scaling Licences and Permits

Number of Licences Issued	Number of Permits Issued
To Scale Sawlogs 2	110
To Scale Pulpwood 5	11
To Scale All Classes 5	14
TOTAL 12	135

A total of 104 applicants wrote scaling examinations of which 67 were successful. All 37 failures were applicants attempting to obtain their saw and peeler permits.

(e) Audits

Audits commenced	134
Audits finalized	134
Purchasers records check commenced	83
Purchasers records check finalized	91

Because all stock produced from management units after May 1, 1966, will be chargeable against timber quotas, it was necessary to establish an accurate segregation of production before and after that date. Stock piles of material produced prior to May 1, but still on hand, therefore had to be inventoried so that appropriate allowance could be made from sales after May. This considerable job of inventory was undertaken and completed for 119 quota holders prior to the commencement of new quota production. The figures were finalized for most of these at the close of the fiscal year on March 31, 1967.

(f) The quota reconnaissance program was continued in the period April 1, 1966, to March 31, 1967, with the completion of an additional 27 management units. The program was curtailed in the latter part of the 1966-67 fiscal year as all units containing operations had been completed in addition to a number of units which were done in preparation for future quota sales. As of March 31, 1967, reconnaissance was complete in 78 management units.

(g) One basic element of the quota system of timber disposal introduced effective May 1, 1966, is the issuance of timber to quota holders at an appraised rate of dues rather than by competitive auction. In the past fiscal year the timber appraisal system to be used has been finalized and approved. With the consent of the Alberta Forest Products Association, appraised rates are being established for all active quota licences in Alberta.

(h) Compilation was completed on a minimum cubic foot volume table for coniferous roundwood products, it will be used in conjunction with cubic accounting of roundwood production.

TIMBER DISPOSITION, RECORDS AND ACCOUNTS

The export market for lumber remained fairly stable throughout 1966 but was subject to some unrest due to the uncertainty in housing development and money policy.

The winter of 1966-67 was favorable to operating and the labour situation was easier compared to the previous winter.

The overall production of forest products showed a slight increase as compared to 1965-66 namely 104,747 M cubic feet compared to 101,628 M cubic feet.

Production of lumber decreased by 6.1% as compared to 1965-66. There was no change in pulpwood production. The harvest of coniferous plywood logs increased by 177.9% due mainly to increased production by one of the plywood companies.

The number of miscellaneous timber permits issued totalled 2,790 compared to 2,795 in 1965-66.

The value of forest products manufactured increased by 4.6% to \$28,318,126.

Two hundred and twenty Timber Quota Certificates were issued during the year covering an annual allowable cut of 439.7 MM f.b.m. and 11.2 MM lineal feet.

Twelve timber licences were offered at public sale estimated to support 8,241,000 f.b.m. coniferous, 8,912,000 f.b.m. deciduous, 1,582,000 lineal feet and 1,567 cords of timber.

Twenty-five timber licences were granted without competition to quota holders covering an estimated 83,553,000 f.b.m. coniferous timber.

Thirty special timber permits were granted covering an estimated 3,210,000 f.b.m. coniferous, 357,000 deciduous and 3,356,000 lineal feet of timber.

TIMBER PRODUCTS

Fiscal Year 1966-67

VOLUME	PRODUCT	UNIT PRICE	VALUE
27,127	Christmas trees	\$.50	\$ 13,563.
3,662 cords	Fuelwood	\$ 5.00	\$ 18,310
2,572,150 pieces	Lath	\$ 2.00 (bundle of 50 pieces)	102,886
289,608,859 f.b.m.	Lumber	\$ 58.05	16,811,794
6,068 pieces	Mine ties	\$.50	3,034
378,781 cords	Pulpwood	\$ 17.50	6,628,667
11,852,579 f.b.m.	Plywood logs, poplar	\$ 30.00	355,577
56,305,396 f.b.m.	Plywood logs, coniferous	\$ 45.00	2,533,742
443,209 pieces	Railway ties	\$ 2.05	908,578
23,497,880 lin. ft.	Round timber	\$.04	939,915
56 cords	Shingle bolts	\$ 17.50	980
223 cords	Slabs	\$ 2.00	446
1,269	Trees for transplanting	\$.50	634
	Total -	\$	28,318,126

Trend of Schedule Rates M. f.b.m.

Spruce, Pine and Douglas Fir

Date Effective	Year	Schedule Rate
August 1	1956	\$ 6.00
August 1	1957	6.00
August 1	1958	5.75
August 1	1959	5.75
August 1	1960	5.50
May 1	1961	5.00
August 1	1961	4.15
February 1	1962	4.15
August 1	1962	4.15
February 1	1963	4.60
August 1	1963	4.60
February 1	1964	5.50
August 1	1964	5.05
February 1	1965	5.05
August 1	1965	5.05
May 1	1966	5.05

SUMMARY OF TIMBER OPERATION ON PUBLIC LANDS

	Timber Licences and Special Permits 1966 - 1967	Miscellaneous Timber Permits 1966 - 1967	Total 1966 - 1967
Number of active operations	485	2,790	3,275
Christmas trees (number)	2,234	24,893	27,127
Fuelwood (cords)	51	3,662	3,662
Lath (pieces)	1,732,150	840,000	2,572,150
Lumber (f.b.m.)	282,149,487	7,459,372	289,608,859
Mine ties (pieces)	6,068	- -	6,068
Pulpwood (cords)	345,958	32,823	378,781
Plywood logs, Poplar (f.b.m.)	9,067,579	2,785,000	11,852,579
Plywood logs, Coniferous (f.b.m.)	55,770,396	535,000	56,305,396
Railway ties (pieces)	441,189	2,020	443,209
Round timber (lineal feet)	9,013,283	14,484,597	23,497,880
Shingle bolts (cords)	4	52	56
Slab (cords)	223	- -	223
Trees for transplanting (number)	- -	1,269	1,269
Timber Seizures	1	15	16
Custom Sawmill, Planing Mill or Timber Processing			
Plant Permits (number)	- -	84	84

FOREST PRODUCTS TREND

Ten Year Period

1957 - 1967

Year	Number Licences - Special Timber Permits	Number Miscellaneous Timber Permits	MM f.b.m. Lumber - All species	MM f.b.m. Plywood	MM f.b.m. - Plywood Logs - Deciduous	MM lin. ft. - Round Timber Poles, piling, posts	M cords Pulpwood	M cords Fuelwood	M pieces Railway Ties	M pieces Mine Ties	M pieces Lath	Number Christmas Trees	Number Trees for Transplanting	Equivalent in 1000 of cubic feet
1957 - 58	806	4,125	300	3	5	11	242	12	1,586	12	1,568	8,948		89,338
1958 - 59	892	4,186	367	6	11	11	214	13	959	8	1,397	13,231		97,040
1959 - 60	616	4,717	386	12	14	14	258	10	798	6	1,665	21,866		104,869
1960 - 61	527	5,953	243	11	8	23	327	20	420	14	1,602	25,539		81,560
1961 - 62	548	4,075	288	20	13	20	271	8	211	27	2,686	17,070		85,315
1962 - 63	571	4,575	314	23	14	29	283	13	634	25	3,231	44,347		95,363
1963 - 64	610	5,866	381	31	22	38	300	7	659	5	3,764	24,880	2,510	112,103
1964 - 65	646	3,083	319	18	11	28	390	3	393	mil	2,210	37,008	2,347	105,114
1965 - 66	568	2,795	309	20	13	23	379	5	432	nil	2,027	19,644	6,952	101,628
1966 - 67	485	2,790	290	56	12	23	379	4	443	6	2,572	27,127	1,269	104,747

SILVICULTURE

Totals by Forests

Forest	Scarification (acres)	Seeding (acres)	Seed Collected (lbs.)	Thinning (acres)	Seedlings Planted (number)
Crowsnest	1,320	431	70	45	85,350
Bow River	580	170	4	500	66,000
Clearwater-Rocky	1,896	906	125	50	127,700
Edson	1,091	841	155	5	124,200
Whitecourt	3,763	3,404	23	—	81,100
Grande Prairie	2,069	2,069	—	—	170,500
Peace River	1,092	370	58	—	71,415
Footner Lake	1,801	465	1	—	5,925
Slave Lake	2,577	2,472	—	—	89,498
Lac La Biche	778	938	1	—	40,184
Athabasca	935	935	7	—	14,200
	17,902	13,001	444	600	876,072

Ten Year Summary

Year	Scarification (acres)	Seeding (acres)	Seed Collected (lbs.)	Thinning (acres)	Seedlings Planted (number)
1957-58	522	—	—	—	3,000
1958-59	1,851	—	322	—	10,000
1959-60	2,551	115	2,125	—	35,000
1960-61	5,964	1,145	3,851	—	24,000
1961-62	10,013	3,475	6,672	—	125,000
1962-63	10,688	7,900	1,540	—	173,000
1963-64	9,015	8,242	325	281	261,000
1964-65	10,477.8	6,769.5	4,361	1,005	325,083
1965-66	18,495	11,141	221	715	700,751
1966-67	17,902	13,001	444	600	876,072

FOREST LAND USE**Petroleum and Natural Gas - Green Area**

Applications received for land surface rights from petroleum and natural gas industries.

Forest	1964-65	1965-66	1966-67
Athabasca	3	11	5
Bow River	7	7	2
Clearwater-Rocky	113	103	117
Crowsnest	3	7	4
Edson	79	68	50
Footner Lake	Included with Peace River	200	613
Grande Prairie	48	40	34
Lac La Biche	35	61	40
Peace River	71	47	43
Slave Lake	806	798	425
Whitecourt	308	199	137
TOTAL	1473	1541	1470

The previous table illustrates the continuing shift of activity to the north, particularly the Rainbow and Zama areas of Footner Lake Forest, which were very active during the year. Total loss of forest cover by oil and gas exploration and development is estimated at over 30,000 acres annually.

Continued emphasis was placed on the necessity of curbing soil erosion and water pollution. Hydro-seeding and mulching demonstrations in Slave Lake and Bow River Forests were well attended by industry.

Grazing

Grazing under permit within the Rocky Mountains Forest Reserve totalled 84,466 animal unit months, with 26,296 head of cattle, horses and sheep being grazed.

In the green area outside the Rocky Mountains Forest Reserve most of the grazing took place on approximately 300 grazing leases. Improved control over management of these leased lands is being implemented, commencing with periodic reinspections.

GRAZING 1966
ROCKY MOUNTAINS FOREST RESERVE

	Crownsnest Forest		Bow River Forest		Clearwater-Rocky Forest		Forest Reserve Total	
	1965	1966	1965	1966	1965	1966	1965	1966
Cattle	14,467	14,391	8,953	9,509	1,341	960	24,761	24,860
Sheep	975	1,000	-	-	-	-	975	1,000
Horses	-	-	307	289	162	147	469	436
Total	15,442	15,391	9,260	9,798	1,503	1,107	26,205	26,296
Actual Use in A.U.M.*	49,291	46,394	31,850	33,700	7,123	4,372	88,264	84,466
No. of Permits	189	187	93	91	25	23	307	301
No. of Allotments	47	47	39	39	14	14	100	100
Revenue	\$86,485.40	\$84,314.50	\$24,063.06	\$24,367.30	\$4,107.34	\$3,051.64	\$64,655.80	\$61,889.89

*A.U.M. - Animal Unit Month. The amount of forage required by one animal unit, which is equivalent to a mature cow and calf at foot, for one month.

FOREST SURVEYS AND PLANNING BRANCH

During the past fiscal year the branch continued with the many projects in its regular program and commenced several new projects in the fields of re-creation and protection planning and growth and yield studies involving computer programming.

New projects include the following:

Lake Survey -

This project involves the surveying and mapping of strategically located lakes for the purpose of facilitating float plane and water bombing operations of the Forest Protection Branch.

ARDA Project 28035 -

A program of recreation area re-development has been initiated under terms of Part V of the Federal-Provincial Rural Development Agreement 1965-70.

The jointly financed ARDA program will extend over a four year period to March 31, 1970, and will involve an expenditure of approximately \$300,000.00.

The program calls for the planning, expansion and re-development of many existing forest recreational areas in order to provide for growing demands.

Computer Programs -

A number of Fortran programs were developed with the object of analysing the large volume of growth and yield data.

A multiple regression program was obtained from the University of British Columbia and revised for the analysis of sample tree data and the development of growth, yield and air photo volume regression equations.

A computer mapping, area and volume summary program was obtained from the Federal Department of Forestry and revised for test purposes on the Provincial Data Centre's equipment. The area used in the test was Streeter Basin, a watershed resource area in the Rocky Mountains Forest Reserve.

A further program was developed to compile and summarize tree volumes and other stand data for each of the 1,404 permanent sample plots.

A summary of the work accomplished by the Branch is outlined as follows:

TECHNICAL SERVICES SECTION

Mapping and Compiling -

1. New access information was interpreted on photographs and transferred to 1:63,360 scale forest cover work sheets for 135 maps (43,875 square miles).

2. Two hundred and ninety-one base map films at 1:63,360 scale (94,575 square miles) were revised with the following:

- (a) Road additions and classifications
- (b) Forest cover changes due to fires
- (c) New forestry installations
- (d) Topographical changes and geographical names
- (e) Additional township survey
- (f) Geophysical activity.

Timber License Mapping -

Number of applications processed	273
Area of photographic interpretation	671,360 acres
Area mapped	3,980 sq. miles
Number of annual operations maps supplied	161

Geophysical Applications Processed -

Year	Preliminary Geophysical Plans Approved	Final Geophysical Plans Approved	No. Miles New Line Cut	No. Miles Existing Line Shot
1959-60	315	106		
1960-61	296	145		
1961-62	369	143		
1962-63	342	132	To date 139,000	
1963-64	435	132	7,755	
1964-65	392	175	7,639	
1965-66	603	206	7,204	8,656
1966-67	1,216			

Other Land Use Applications Processed -

Year	Mineral Surface Lease Applications Plotted and/or Assessed	Right of Entry Applications Plotted and/or Assessed	License of Occupation Applications Plotted and/or Assessed	Pipe Line Applications
1960-61	118	32	43	-
1961-62	260	170	52	-
1962-63	294	89	39	130
1963-64	534	59	84	71
1964-65	501	158	127	70
1965-66	635	153	235	215
1966-67	1,162	75	633	251

Miscellaneous -

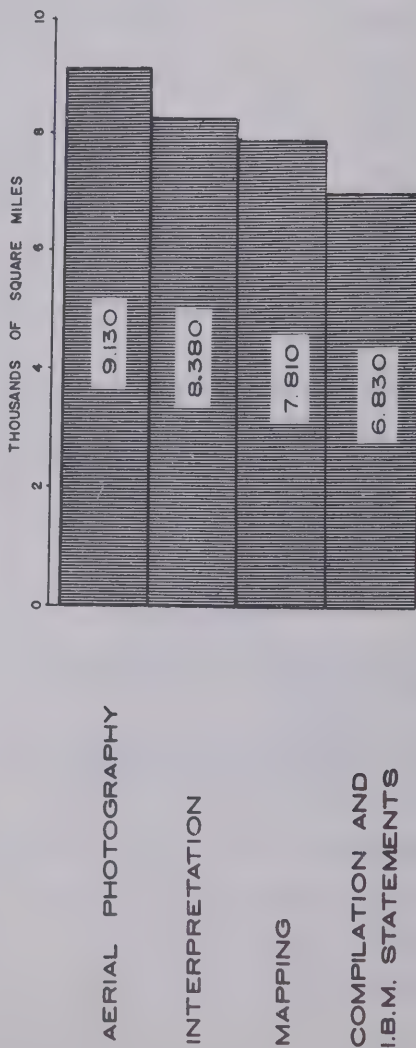
1. Recreation area maps prepared	19
2. Grazing allotment maps prepared Final vegetative type -	8
3. Fire reference maps assembled	14
4. Fire finder maps produced Temporary - Permanent -	23 59
5. Forestry roads mapped for registration and gazetting purposes	18
6. Sections of Crown land interpreted, mapped and timber volumes calculated preparatory to various agricultural uses	36

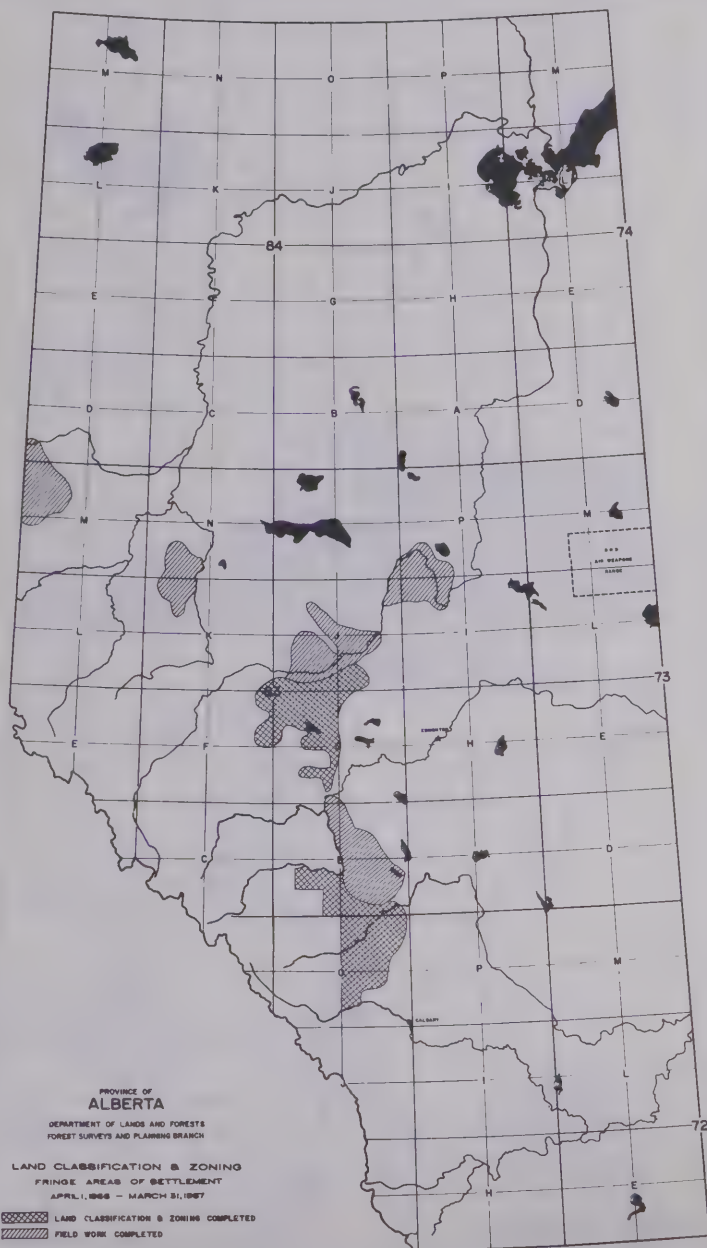
Aerial Photography by Department Aircraft and Personnel -

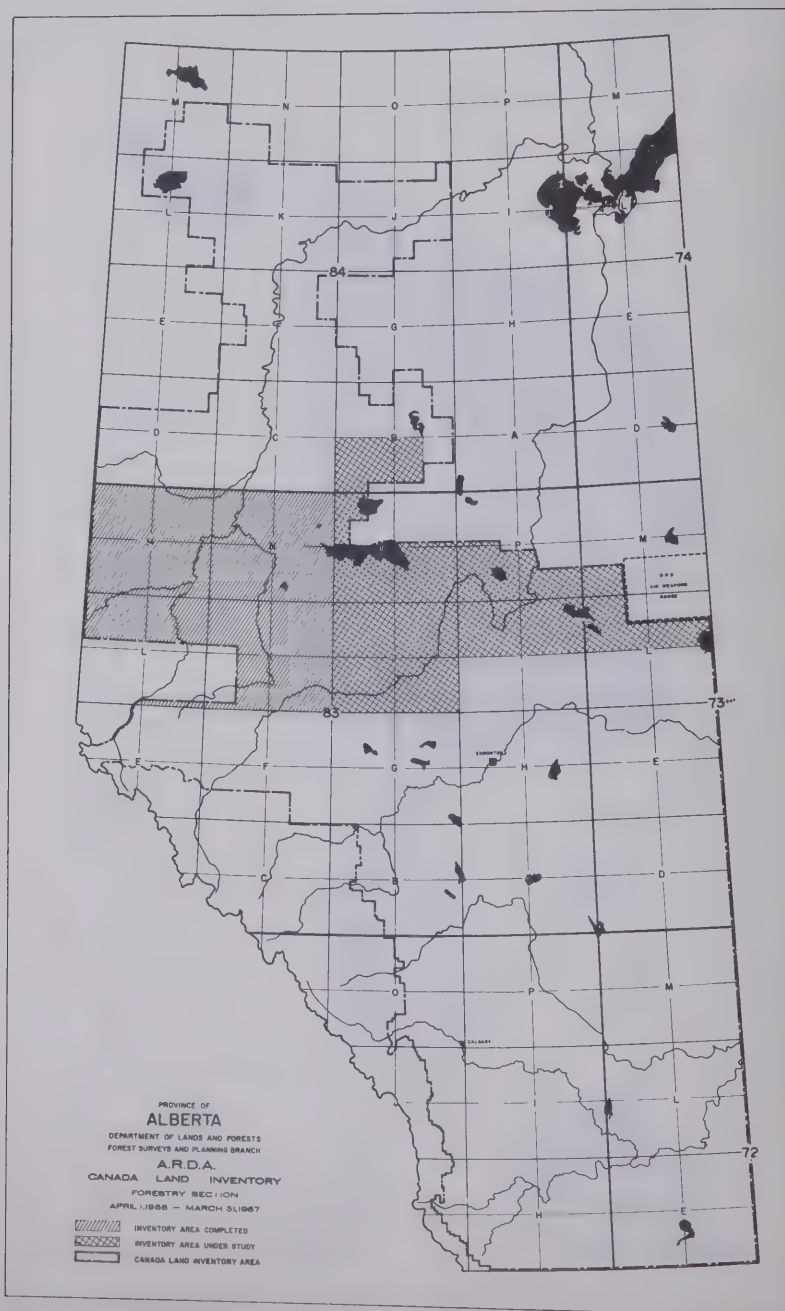
Forestry roads for mapping and registering	75 miles
Other roads for location purposes	200
Fire lookout sites	3
Fires	15
Timber licenses	20
Airstrip locations	3
Miscellaneous areas	14
Forest Recreation areas	2

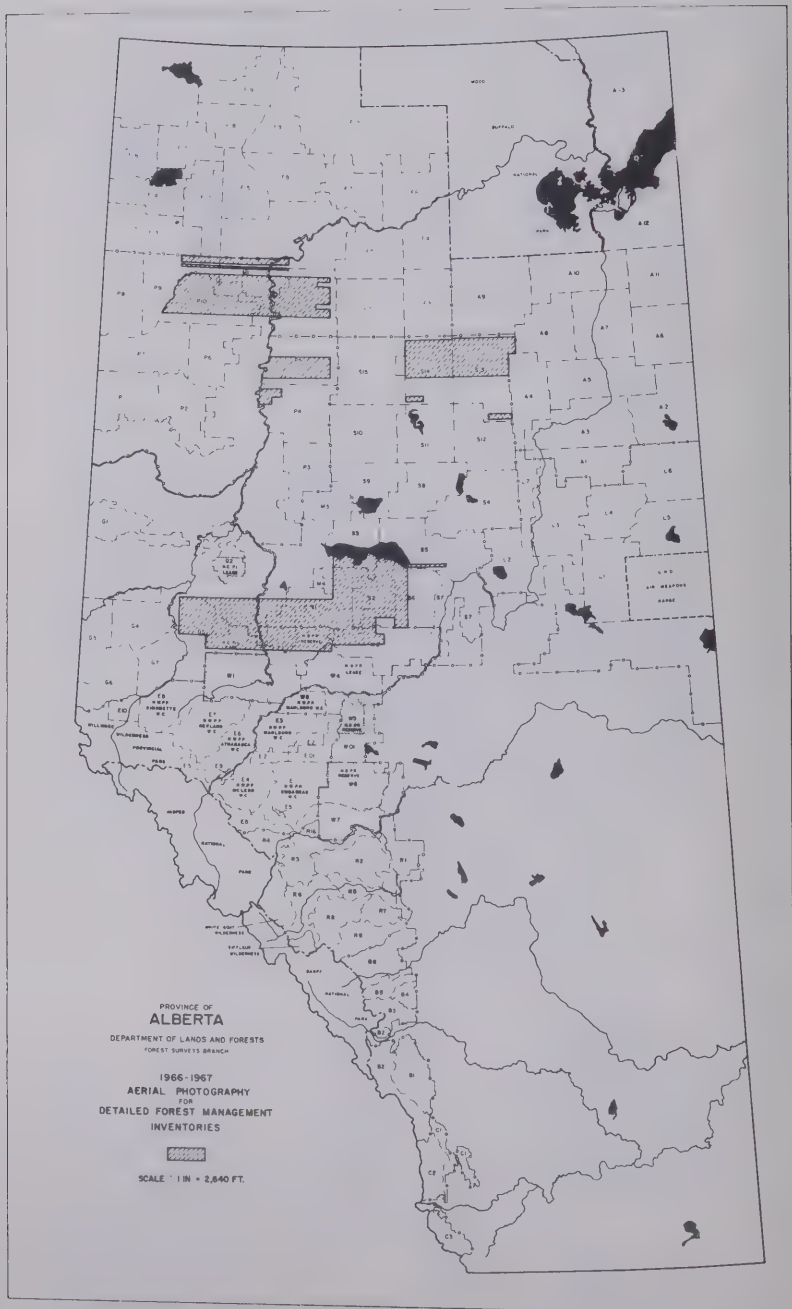
DETAILED FOREST MANAGEMENT INVENTORIES

PROGRESS APRIL 1, 1966 - MARCH 31, 1967









CARTOGRAPHY

MAP SERIES	NUMBER MAPS			NUMBER COPIES		
	New Issues	Re - lithographed	Over - printed	New Issues	Re - lithographed	Over - printed
						Distributed
Forest Cover 1" = 2 miles		3	13		4,500	5,400
Access 1" = 4 miles		10	11		17,000	8,900
Forest Base 1" = 16 miles						603
Forest Protection 1" = 16 miles			3			593
Management Units 1" = 16 miles			1			300
Ranger Districts 1" = 16 miles			1			300
Forest Roads 1" = 16 miles			1			400
Contour 1" = 8 miles (by quarters)		4			5,000	119
Access 1" = 8 miles (by quarters)		4			9,000	241
Composite Forest Cover 1" = 16 miles						52
Forest Cover (blue line prints)						5,846
Provincial Planimetric and Contour						1,963
National Topographic						326
Total		21	30		35,500	15,950
						33,785

TRAINING BRANCH

The educational, extension and youth programs related to natural resource management were continued.

The two major educational programs are the Forest Technology Course second year (first year at N.A.I.T.), and the Advanced Forestry Course for in-service students. The response of employers to graduates of the Forestry Technology course was very encouraging. Two rangers from the Yukon Forest Service attended the Advanced Course under a cooperative agreement.

A summary of all programs given over the last year follows:

Course	Length	Total Attending
Forest Technology Course	7 weeks (conc'l)	25
Forest Technology Course	26 weeks (cont'd)	27
Advanced Forestry Course	23 weeks	16
Spring forestry camp	1 week	28
Lookoutman (3 courses)	1 week each	73
Fire overhead (2 courses)	1 week each	39
Fire timekeepers	1 week	19
Petroleum Landmen	½ week	21
4-H Conservation Camp	1 week	70
Junior Forest Warden camps (3 camps)	2 weeks each	147
Junior Forest Ranger camps (4 camps)	8 weeks each	48
Pre-course camp	½ week	42
Other visiting groups - short visits		150
Total		705

Training and certifying of outside fire suppression supervisors continued. Courses for fire overhead staff and timekeepers are given at the Forest Technology School. Graduates are presented with a card attesting their competence for a specified level of work on fires.

Firefighter training at 1-week courses is conducted at Forest level by field staff following standard lesson plans and coordinated by a fire training liaison officer. Total numbers of all certified trainees are shown in the table following:

	1962-63	1963-64	1964-65	1965-66	1966-67
Fireboss	20	42	43	49	58
Fire foremen	3	13	23	24	48
Strawboss	-	5	10	15	76
Firefighter	-	-	52	361	896
Camp foremen	-	-	-	-	2
Timekeeper	1	1	1	29	42
Cook	-	-	-	-	4

Junior Forest Warden Clubs numbered 29, with an enrolment of 656 boys 10-16 years of age. Five groups of Girl Forest Guards, the counterpart organization for girls, had a total of 70 active members.

The challenging summer camps for leading Junior Forest Wardens were continued at Jarvis Lake. These rigorous 2-week sessions give the boys an opportunity to apply their instructions and to learn new concepts. The entire program rests heavily on the support of the volunteer supervisors and council members - to whom we again extend our sincere thanks.

Effective October 1, 1966 administration of the Junior Forest Wardens was transferred to the Department of Youth. They will form an integral part of comprehensive programs developed for youth in Alberta.

Four camps of Junior Forest Rangers were operated, located in the Grande Prairie, Edson, Clearwater and Crowsnest Forests. The eight-week work program saw the 48 boys work on trails, bridge construction, campgrounds, erosion control structures, tree planting and thinning. They were all given training in a variety of resource management aspects.

Field measurements continued in the Cache Percotte Forest Watershed study. New road construction facilitated access for readings and student projects. A soil survey in the Forest was conducted by the Alberta Research Council.

FISH AND WILDLIFE**REPORT OF THE DIRECTOR***S.B. SMITH*

During the past year the Fish and Wildlife Division underwent extensive reorganization. In order to provide better public service, two new sub-divisions were established at Lethbridge and at Peace River. At the same time, a decision was made to decentralize biological services. Both fisheries and wildlife biologists who formerly worked in the Edmonton headquarters, have now been transferred to the six sub-division headquarters. Decentralization of the staff into regional headquarters will provide much better area management of the fisheries and wildlife resource.

Along with the decentralization of services, new positions have been established in the Edmonton headquarters office, in order to accent much needed research programs both in wildlife and fisheries management. From the results of research programs carried out by headquarters staffs, new management techniques can be implemented. With effective management techniques based on adequate research programs, greater utilization can be made of the economic potential inherent in the fish and wildlife resource. At the same time these management programs should result in the citizens of Alberta and also visitors from outside the province enjoying a higher level of recreational opportunities, through more efficient utilization of fish and wildlife populations.

At the present time, fish and wildlife populations in some areas of Alberta are very lightly utilized, particularly in the northern half of the province. It is to these areas that a major share of attention should be directed in the coming years. Increased utilization of the wildlife resource, particularly in the more remote regions, will result in greatly increased economic benefits to residents of those areas. With this in mind the past year has seen emphasis placed on evaluating wildlife and fish populations and also changes in regulations, particularly in game hunting, in order to provide a greater attraction for non-resident hunters. An example may be cited in the special non-resident moose and bear license, which permits any non-resident to shoot a moose and two black bears in the northern portion of the province for a \$25.00 fee. It is anticipated that a great deal of interest will be generated by the generous seasons and low licence fees, and should result in a healthy economic input to these areas plus additional revenue to the Fish and Wildlife Division.

A considerably greater effort was devoted to promoting a better liaison between the Fish and Wildlife Division and organized rod and gun clubs in the Alberta Fish and Game Association as well as with other organizations. A newsletter was initiated during the past year which has attempted to keep interested sportsmen and other conservation minded agencies and individuals abreast of developments in fish and wildlife management in the province. This has had the effect of keeping a large number of persons up to date on the activities of the Fish and Wildlife Division, particularly in the areas of interest to local organizations.

Staff turnover still poses a problem for efficient administration of fish and wildlife. Particularly in the professional fields, competition for the services of well trained biologists has intensified during the past twelve months. Notwithstanding this fact, staff acquisitions have been successful. Considerable interest has been shown across Western Canada by an increasing number of professionally trained persons in working in the Province of Alberta. Difficulties still are being encountered in filling Fish and Wildlife Officer positions.

A significant loss to the Fish and Wildlife Division and to the Province of Alberta occurred when Dr. George J. Mitchell resigned to accept a post as Associate Professor of Zoology at the University of Regina. Dr. Mitchell's contributions to wildlife management within the Province will be remembered for a number of years.

During the past year further integration of biological programs with Fish and Wildlife Officer activities has resulted in a more unified approach by all staff. As a consequence, a better public awareness of management objectives has become apparent. Fish and Wildlife Officers have also become more directly involved in the Hunter Training Program, which on a per capita basis is the most extensive in Canada.

In the following pages detailed statistics will be presented outlining the activities of the major sections of the division. In concluding this brief introduction, it may be said that Alberta is in a very favourable position with respect to utilization of fish and wildlife populations, with management programs of sufficient flexibility to meet the needs of the hunting and fishing public. It is anticipated that with rapidly accelerating demands on the fish and wildlife resources of the province, this inherent flexibility will prove to be a most important asset in realizing the full economic and recreational potential of the resource. Future exploitation of the fisheries and wildlife resources will result in significant economic gains in a number of the lightly settled regions of the province together with continuing opportunities for recreation through hunting and fishing in all areas.

ENFORCEMENT

A number of organizational changes have been effected this year. The Fish and Wildlife Districts have been reorganized to form six sub-divisions instead of the four which had been in effect for the previous four years. The new sub-division headquarter locations are Lethbridge and Peace River. One Senior Fish and Wildlife Officer position was established, in Edmonton, responsible for this section. An additional Fish and Wildlife Officer District was established with headquarters at Fort Chipewyan.

Investigations, prosecutions, and convictions showed a slight increase over the previous year but were still well under the 1964-65 level. Of 867 prosecutions this year, 22 resulted in withdrawals or dismissals compared to 28 the previous year.

Table 1.

PROSECUTIONS

	1965-66	1966-67
Investigations	907	925
Prosecutions	843	867
Convictions	815	845

Table II

FREQUENCY OF VIOLATIONS
RESULTING IN CONVICTIONS

	1965 - 66	1966 - 67
Hunting		
Loaded firearm in a motor vehicle	232 - 40%	248 - 42.2%
Illegal possession of game	94 - 16.3%	74 - 12.6%
Unlawfully hunting in a closed area - season	66 - 11.4%	51 - 8.7%
Failing to wear scarlet clothing	28 - 3.4%	17 - 2.9%
No license	30 - 5.2%	33 - 5.6%
Fisheries		
No License	98 - 51%	99 - 47.3%
More than one line, angling through ice, unattended line	43 - 22.4%	62 - 29.6%
Small mesh net	14 - 30.4%	8 - 16.3%

REVENUE AND EXPENDITURES: :

Revenue is obtained chiefly from hunting, angling, commercial fishing and fur dealers licences, fur taxes, trap line registration and commercial fishing royalties.

Table III

	\$ 1963-64	\$ 1964-65	\$ 1965-66	\$ 1966-67
Revenue				
Total	1,031,331.61	1,041,087.80	1,035,321.15	1,091,134.43
Expenditure				
Total	910,471.63	1,079,049.27	1,092,325.21	1,307,432.49

WILDLIFE DAMAGE FUND:

This was the third year of operation since this insurance feature of this program was dropped and an inspector fee system adopted. Under this plan, an applicant filing a claim for damage, paid a fee of \$25.00 for each quarter section or portion thereof, on which compensation is claimed for the crop thereon.

TABLE IV

	1964-65	1965-66	1966-67
Claims	742	531	477
Acreage Damage	33,009	21,188	17,358½
Settlements and Costs	\$325,234.19	\$219,407.97	\$169,939.93
Balance of Fund	\$207,478.19	\$ 95,110.95	\$130,279.56

During the year the Wildlife Damage Regulations were amended to provide compensation for the loss or injury to livestock caused by hunters during the legal big game hunting season. Following is a summary of claims and awards.

Table V

	1964-65	1965-66	1966-67
Claims	nil	nil	73
Awards	nil	nil	\$6,689.68

HUNTER TRAINING

The Hunter Training Program again enjoyed a very active year. It aroused interest to the extent whereby the Members of the Legislative Assembly took time out, from their very busy schedule, to take the course with very encouraging results.

To date, 875 Instructors have been qualified with 542 potential Instructors pending the completion of the course. The Instructors completed 311 student courses, qualifying 5,078 students. During the fiscal year, 16 Instructors' courses were completed.

Dickson Fish & Game Association still maintains the highest record of qualified students - with the total of 78, in one course. Whereas, for Instructors' courses, Grande Prairie has taken the honour from Wainwright, in qualifying the greater number of Instructors - with the total of 43.

The program still remains self-advertising; however, with the aid of several sportsmen's shows, they have added to the continuing interest and popularity of the course.

A number of television and radio programs, as well as 39 public engagements, were accomplished.

Conventions attended by the Hunter Training officer were:

- (a) • National Rifle Association, in Washington, D.C.
- (b) • Hunter Training Officers Association of Canada, in Winnipeg, Man.

The above conventions prove to be very worthwhile with exchange of views and ideas from various groups throughout the North American Continent.

In all, the interest shown in the Alberta Hunter Training Program has been most gratifying.

Clubs, groups and organizations backing and taking advantage of the program:

Fish & Game Association	Junior Forest Wardens
High Schools	Church Groups
Rod & Gun Clubs	City Parks & Recreation
Alberta Government Telephones	Boy Scouts & Girl Guides
Cadet Corps (Army, Navy & Airforce)	Optimists & Kiwanis Clubs
4-H Clubs	Lions' & Kinsmen Clubs

INSTRUCTOR COURSES
1st April, 1966 - 31st March, 1967

LOCATION	TOTAL # OF COURSES	INSTRUCTORS QUALIFIED	UNSUCCESSFUL INSTRUCTORS	INST. APPL. PENDING
Medicine Hat	1	5	-	14
Edmonton	3	47	2	75
Calgary	1	5	-	46
Huxley	1	10	-	4
Peace River	1	9	3	6
Drumheller	1	13	2	-
Stauffer	1	10	2	-
Drayton Valley	1	21	-	10
Barrhead	1	10	2	1
Lacombe	1	12	3	-
Griesbach	1	12	-	-
High Prairie	1	14	-	5
Vulcan	1	28	3	15
Slave Lake	1	12	-	12
TOTALS:	16	208	17	118

INSTRUCTOR COURSES PENDING: 16

Additional centres pending:

Number of Applications:

Lethbridge	10
Cold Lake	15
Olds	10
Tofield	1
Standard	7
Edson	6
High River	4
Ponoka	9
Rimbey	8
Wainwright	17
Fairview	1
Nanton	14
Lamont	7
Coleman	65
Grande Prairie	12
Manning	1
Carstairs	1
Magrath	1
Red Deer	5
Pincher Creek	9
Camrose	6
Hinton	1
Foremost	12
Devon	13
Claresholm	13
Dickson	2
Elk Point	2
Athabasca	1
Beaverlodge	23
Clyde	11

Carmangay	1
Czar	1
Spirit River	18
Swan Hills	21
Hanna	15
Jasper Park	15
Namao	1
Penhold	12
Smoky Lake	16
St. Albert	3
St. Paul	16
Strathmore	5
Sylvan Lake	3
Vermilion	10
TOTAL:	424

GRAND TOTALS

Instructors' courses conducted - February, 1964 - July, 1967:	66
Instructors qualified - February, 1964 - July, 1967:	875
Student courses conducted March, 1964 - July, 1967:	311
Students qualified - March, 1964 - July, 1967:	5,078

STUDENT COURSES

1st April, 1966 - 31 March, 1967

LOCATION	TOTAL # COURSES	SUCCESSFUL STUDENTS	UNSUCCESSFUL STUDENTS
Lethbridge	1	14	1
Calgary	15	227	17
Sylvan Lake	1	6	-
Fort Saskatchewan	2	39	-
Red Deer	3	46	2
Medicine Hat	4	69	1
Dickson	3	107	3
Pincher Creek	1	13	-
Olds	4	71	1
Innisfail	1	13	1
Namao	3	47	12
Cold Lake	3	47	-
Elk Point	1	3	-
Wainwright	2	31	-
Ferintosh	1	22	-
Camrose	1	9	-
Stavely	1	22	-
Edmonton	10	144	14
Waterton Park	1	11	-
Ponoka	3	36	-
Didsbury	1	16	-
Whitecourt	4	52	4
Lundbreck	1	13	-
Vulcan	-	3	-

Rimbey	1	43	-
High River	2	27	-
Bluesky	1	12	-
Fort Macleod	1	9	2
Whitelaw	1	7	4
Fairview	1	11	3
Standard	1	33	3
Redwater	1	20	-
Bowden	2	30	1
Berwyn	3	19	-
Carstairs	1	22	-
Hay Lakes	1	12	-
Sherwood Park	1	20	-
Bon Accord	1	25	1
Magrath	1	11	-
Lancaster Park	1	6	2
Armena	1	14	1
Twin Butte	1	21	-
Edgerton	1	12	-
Czar	1	8	2
Drumheller	1	13	1
Hanna	1	21	-
Taber	1	4	4
Edson	1	14	1
Forestburg	1	21	-
Rosebud	1	17	-
Okotoks	1	42	-
Barrhead	1	34	-
Mayerthorpe	1	13	1
Huxley	1	17	-
Eckville	1	3	2
Lacombe	-	3	-
Drayton Valley	1	19	-
Stauffer	-	2	-
TOTALS	103	1646	84

FISHERIES

SPORT FISHERIES

As in previous years, the summer of 1966 was characterized by many cool, damp week-ends which created unfavourable conditions for angling, especially on streams. In spite of this however, angling licence sales increased approximately 6.5% over 1965-66, rising to the highest figure of the past six years. Lakes in the west-central part of the province increased in level while those in the Lesser Slave Lake - Edmonton area remained fairly constant or showed some recession in levels. A number of lakes stocked with trout on an annual basis continued to provide good angling. Notable among these were Jackfish Lake near Myrnam which produced exceptionally well, Cottage Lake, Star Lake, Schuman Lake, Cavan Lake, Michele Lake, Mami Lake, Beauvais Lake, Wildhorse Lake, Strubel Lake and Spruce Coulee Reservoir. Lower Kananaskis Lake continued to respond well to the stocking of yearling trout. Golden Trout, an introduced species, were being taken in South Fork Lakes in extreme south-western Alberta and it is now known that the species is reproducing naturally in these waters. To date there has been no apparent success from the various stockings of Kokanee in central Alberta lakes.

Other game fish such as Pike, Perch, Walleye, Goldeye and Lake Whitefish provided good fisheries. Lac Ste. Anne was again a popular lake for Walleye, as were Lake Isle, Fawcett Lake, Sturgeon Lake and Moose Lake. In the late winter angling for Walleyes on Cold Lake near the town of Cold Lake was exceptional. The Pembina River continued to produce Walleye of large size. Pigeon and Wabamun Lakes continued to attract many ice fishermen in pursuit of Lake Whitefish. Catches on Pigeon Lake were good in late winter while Whitefish fishing success on Wabamun Lake appeared to decline somewhat from previous winters.

The R.B. Miller Biological Station at Gorge Creek continued operation under the guidance of a joint committee of University of Alberta representatives and personnel of the Fish and Wildlife Division. Research at the station during the year centered mainly around wildlife projects.

The Creel Census Station at Beauvais Lake operated for the seventh consecutive summer. Angling success at this lake declined somewhat from 1964 to 1965, but fishing for trout was still a rewarding sport in this lake. A second creel census station was established at Moose Lake near Bonnyville. The purpose of this station is to measure angler success and angler efficiency on warm water game species, namely: Pike, Perch and Walleye. In addition it is designed to determine the capacity of the lake to sustain both sport and commercial fisheries. In conjunction with these aims, a number of Perch, Pike and Walleye are being tagged to determine their movements within the lake and to assess the harvests of these species through angler and commercial fishery returns.

BIOLOGICAL SURVEYS AND MANAGEMENT PROJECTS

The removal of undesirable fish species with Rotenone to permit the establishment of a trout fishery was carried out on Reesor Lake in the Cypress Hills, and on Cache and Graveyard Lakes in the Entrance Provincial Park. The Fish and Wildlife Division acknowledges the considerable assistance of personnel of the Provincial Parks Branch in these projects and in particular their assistance in constructing a barrier to prevent re-entry of coarse fish into Cache and Graveyard Lakes. Rehabilitation of the Little Bow River for some two and one-half miles was also carried out. Subsequent stocking of the area with yearling Rainbow Trout met with fair success.

Biological surveys and management projects were conducted on other waters as follows:

BIOLOGICAL DISTRICT #1 (Southern)

Mr. Gordon Bielby of England joined the staff of the division as District Fishery Biologist for this area in the spring of 1966.

Surveys were carried out on -

- Bearspaw Reservoir (1-25-3-W5)
- Bow River Pollution
- Glenmore Reservoir (Twp. 23-1-W5)
- Kent Creek Diversion Canal (Kananaskis Lake area)
- Three Rivers Damsite (near Pincher Creek)

BIOLOGICAL DISTRICT #2 (Central)

- Alford Creek
- Removal of burbot by trap in Buffalo Lake (Twp. 41-20-W4)
- Cutoff Creek, Clearwater tributary
- Elk Creek, Clearwater tributary
- Jackfish Lake (20-53-9-W4)
- Open Creek Reservoir (25-42-6-W5)
- Pigeon Lake whitefish angling harvest
- Radiant Creek, Clearwater tributary
- Evaluation of Kokanee introduction in West Twin Lake (9-46-3-W5)

BIOLOGICAL DISTRICT #3 (North-west)

- Athabasca River Pollution Monitoring
- Evaluation of Brown Trout stocking in Cold Creek (Chip Lake tributary)
- Fickle Lake (32-51-19-W5)
- Jarvis Lake (Twp. 52-26-W5)
- Test netting on Lac Ste. Anne, Wabamun Lake, Lesser Slave Lake
- Little Chickako Lake aeration experiment
- Pine Creek Pollution investigation
- Rock Lake (Twp. 52-2-W6)
- Shining Bank Lake (Twp. 56-14-W5)
- Sundance Lake (Twp. 55-21-W5)

Bellis Lake (15-59-15-W4)
Chatwin Lake (Twp. 61-6-W4) - Chemical detoxification investigation
Cold Lake (Twp. 64-1-W4)
Grist Lake (Twps. 73 & 74-3 & 4-W4) - tributary streams
Half Moon Lake aeration experiment
Island Lake (Twps. 61 & 62-17-W4) - Investigation as to suitability for small mouth bass

Jumbo Lake (Twp. 73-4-W4)
Kehiwin Lake (Twp. 58-7-W4)
La Biche River - walleye tagging study
Martineau and Medley Rivers, tributaries to Cold Lake
Moose Lake (Twp. 61-7-W4)
Muriel Lake (Twp. 59-5-W4)
Richardson Lake (Twp. 108-7-W4)
Thomas Lake (5-57-9-W4)
Winefred Lake (Twp. 75-4-W4)

Andrew Lake (Twp. 125-1-W4)
Barrow Lake (Twp. 118-8-W4)
Charles Lakes (Twp. 125-3-W4)
Cockscomb Lake (Twp. 121-7-W4)
Darwin Lake (Twp. 119-6 & 7-W4)
Hooker Lake (Twp. 121-5 & 6-W4)
Myers Lake (Twp. 123-8-W4)

As in previous years, trout were stocked in three main situations, i.e., small ponds, beaver dams and lakes and reservoirs. Kokanee were stocked in several selected lakes in the Rocky Mountain House and Edmonton areas.

In addition, 31,400 trout were stocked in streams to introduce new species and 36,630 trout were stocked in streams to maintain populations where inadequate natural spawning facilities exist.

Stockings of warm water fish included 630,000 Walleye eyed-eggs, 70,000 Perch and 594 adult Pike.

**NUMBERS OF HATCHERY TROUT STOCKED IN
VARIOUS SITUATIONS IN ALBERTA FOR THE PERIOD 1962-66

Year	Small Ponds*	Beaver Dams	Lakes & Reservoirs	Total
1962	3,960	308,000	1,963,725	2,275,685
1963	33,876	256,673	1,741,899	2,032,448
1964	77,550	186,077	1,637,845	1,901,472
1965	18,811	230,737	2,226,052	2,475,600
1966	20,768	246,306	3,480,490	3,747,564

* Over-yearling trout stocked for fishing during the year of planting.

**Does not include a number of introductions of new species into streams.

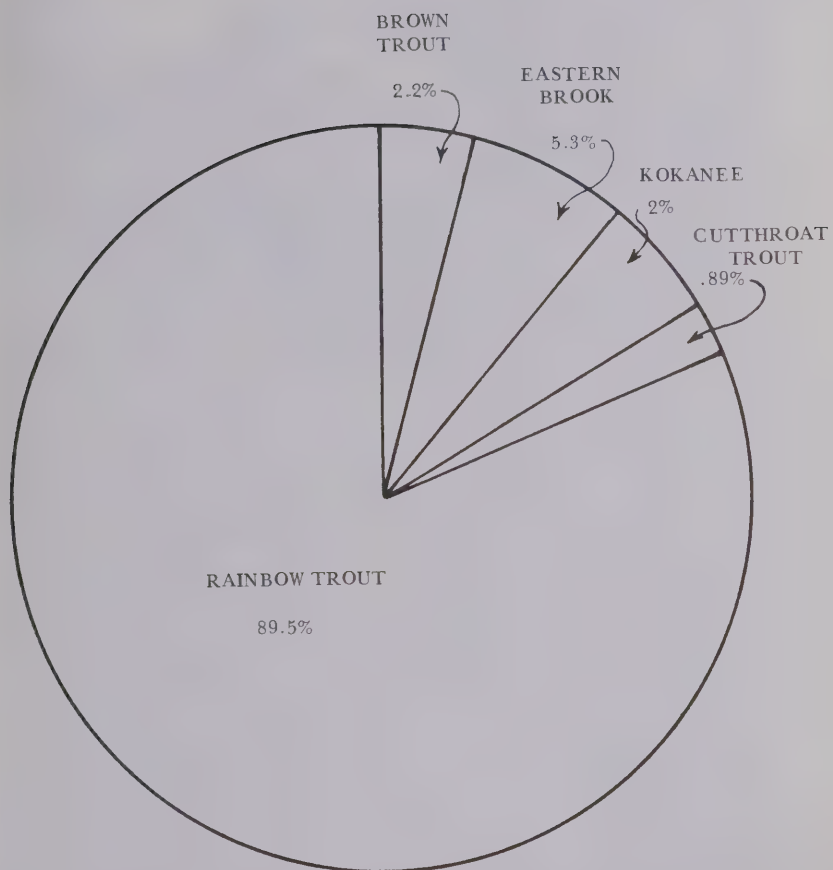
GAME FISH FARMS

Inspections were made on a number of potential private game fish farm sites at the request of the property owners. The number of game fish farm licences issued is shown in the table of fishery licences.

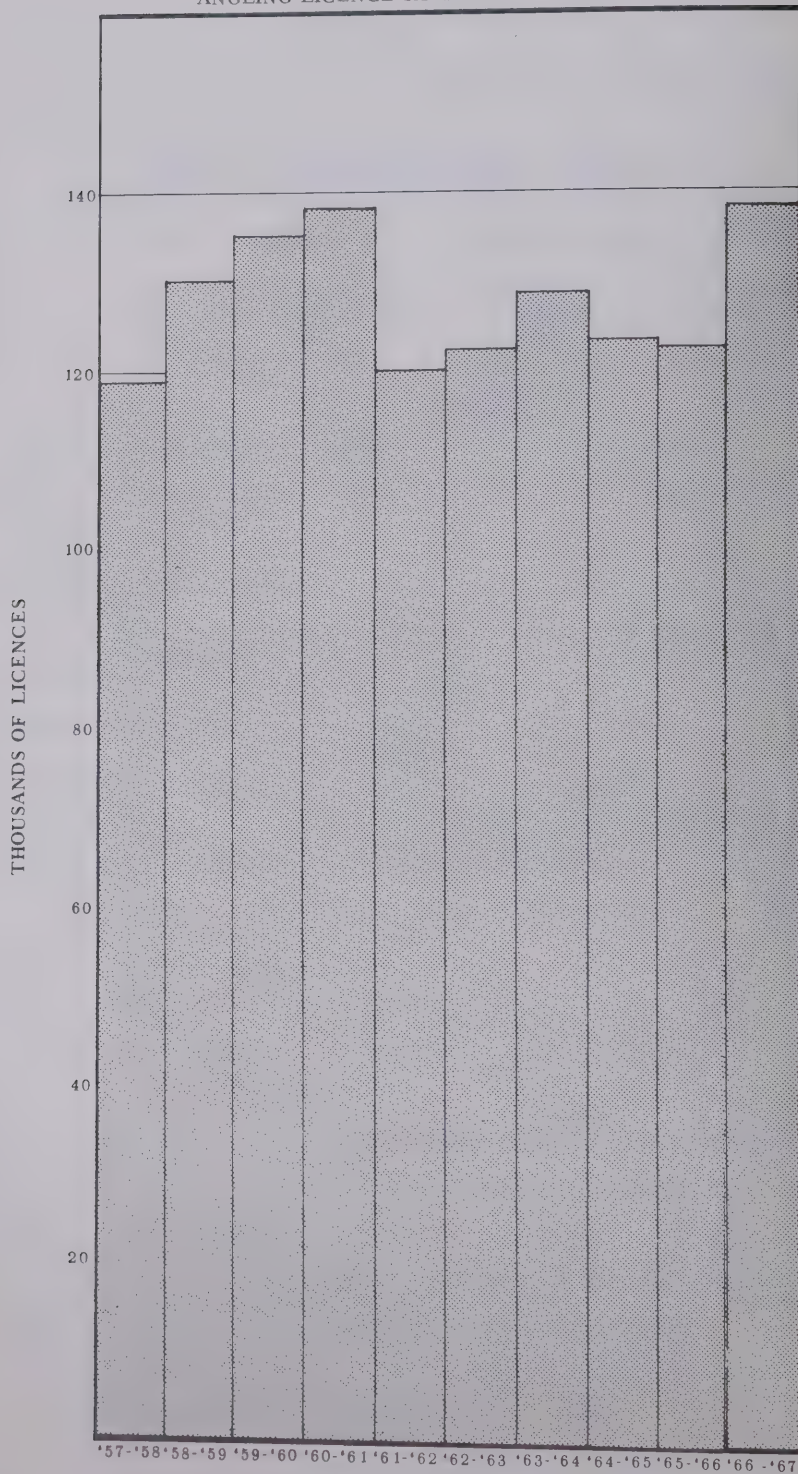
COMMERCIAL FISHERIES

Commercial fish production increased in the current fiscal year. The increase was a result of heavier production of Tullibee for animal food. Production of Whitefish, Walleye and Perch decreased slightly - part of the decrease could be assigned to the close season on our largest lake.

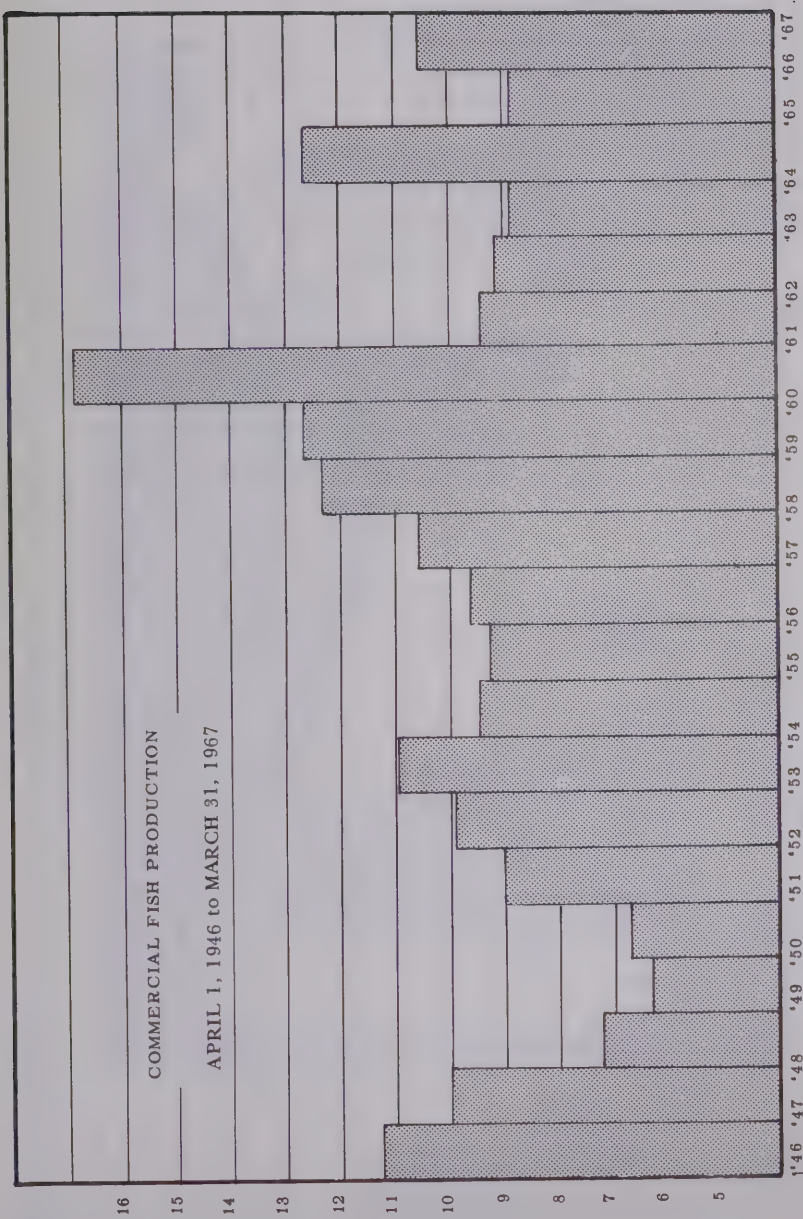
FISH PLANTING - 1966



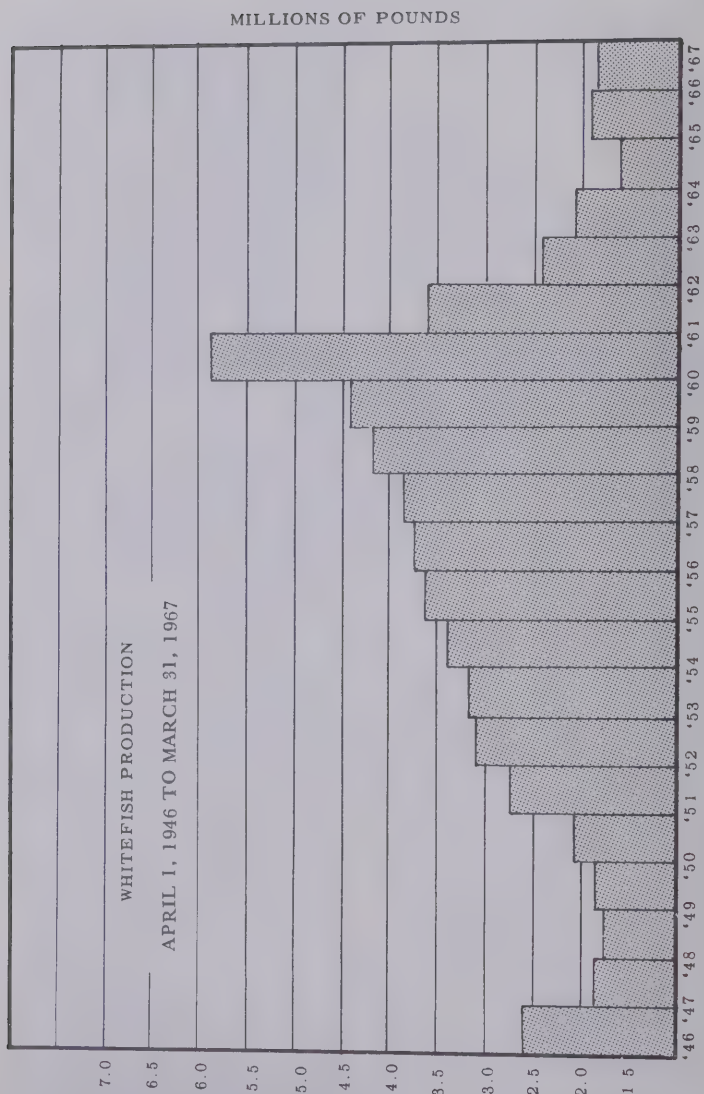
ANGLING LICENCE SALES IN ALBERTA



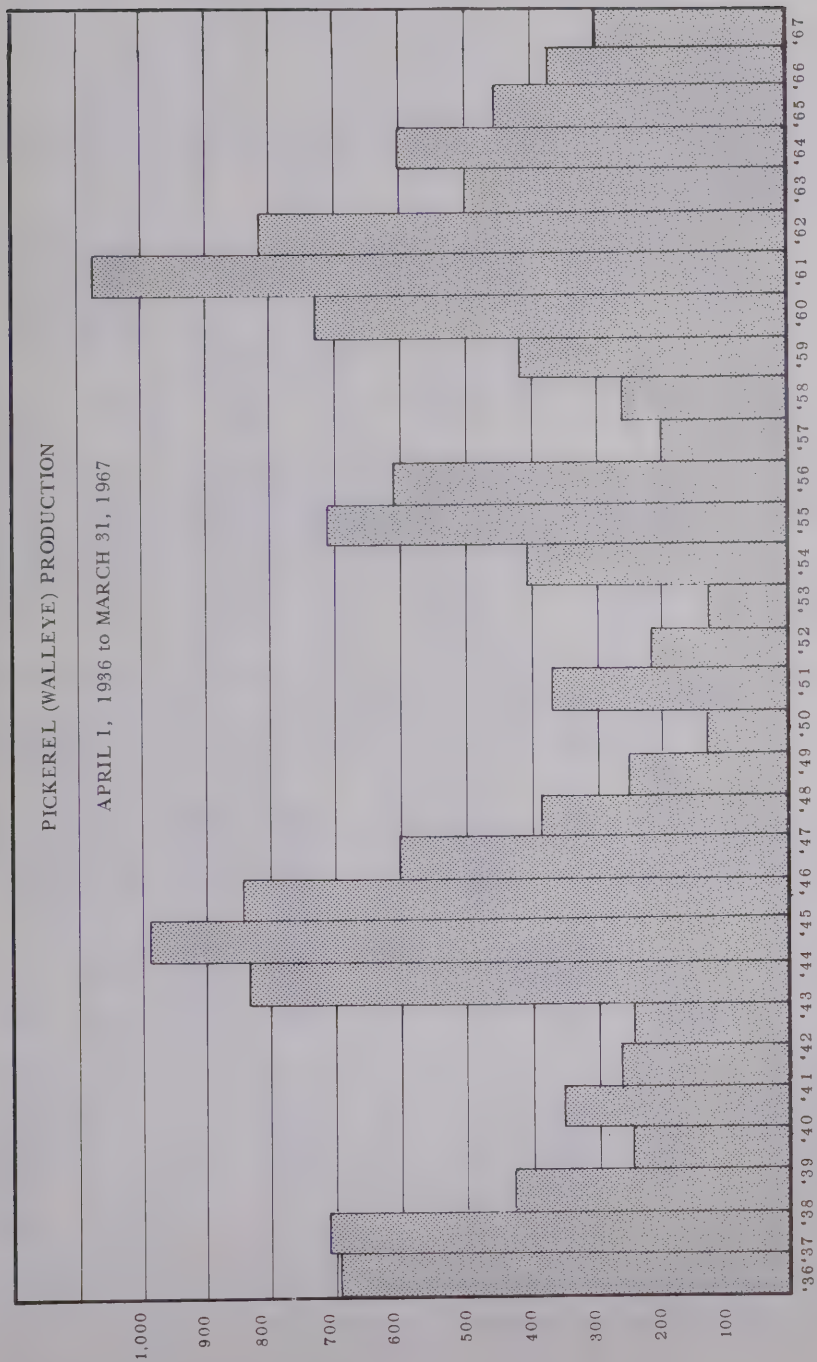
MILLIONS OF POUNDS



FISCAL YEAR ENDING MARCH 31



PRODUCTION IN THOUSANDS OF POUNDS



LICENCES

Type of Licence	1962-63 No.	1963-64' No.	1964-65 No.	1965-66 No.	1966-67 No.
Angling Licences	122,123	129,244	124,747	122,537	133,092
Special Licences to take Fish by Spearing	—	53	76	87	141
Commercial Licences	151	148	73	39	—
Fisherman's Commercial Licences	4,412	4,969	4,138	4,468	4,360
Domestic Licences	78	48	39	63	51
Fish Dealer's Licences	84	78	55	53	51
Commercial Game Fish Farm Licences	6	9	7	6	6
Private Game Fish Farm Licences	2	8	8	20	26
Total	126,856	134,557	129,143	127,273	137,727

COMMERCIAL PRODUCTION OF FISH

Species	1962-63 Lbs.	1963-64 Lbs.	1964-65 Lbs.	1965-66 Lbs.	1966-67 Lbs.
Whitefish	2,435,197	2,095,419	1,506,144	1,918,912	1,836,987
Trout	10,288	19,454	9,459	7,623	3,528
Pickereel	513,338	628,597	465,748	372,576	286,286
Perch	48,453	46,899	320,990	646,996	274,509
Pike	1,448,294	1,341,749	958,922	1,248,792	1,224,664
Tullibee	4,052,024	4,274,485	8,714,348	4,402,771	6,492,126
Ling Suckers } Mixed Fish	518,489	486,450	319,604	180,597	300,145
Goldeyes	13,540	6,959	1,385	391	1,807
Total	9,039,623	8,900,012	12,296,600	8,894,225	10,508,470

	Weight Lbs.	Value to Fishermen \$	Value as Marketed \$
Totals for year 1962-63	9,039,623	680,008.48	1,141,727.85
Totals for year 1963-64	8,900,012	703,667.20	1,174,476.66
Totals for year 1964-65	12,296,600	793,043.10	1,243,481.68
Totals for year 1965-66	8,894,225	720,886.32	1,188,319.17
Totals for year 1966-67	10,508,470	832,711.79	1,397,485.90

FISH EXPORTED FROM ALBERTA 1966-67

Species	Canadian Markets Lbs.	U.S.A. Markets Lbs.	Totals Lbs.
Whitefish	541,908	774,583	1,316,491
Trout	94	35	129
Pickereel	83,771	107,918	191,689
Perch	73,777	103,517	177,294
Pike	35,214	111,011	146,225
Tullibee	58,204	58,483	116,687
Suckers	11,625	—	11,625
Total	804,593	1,155,547	1,960,140

Prosecutions for year 1966-67 (commercial fishing) 49

Prosecutions for year 1966-67 (angling) 209

QUANTITIES AND VALUE OF FISH CAUGHT AND MARKETED

Species	Period	Weight (lbs.)	Value to Fishermen	Value as Marketed
Whitefish	April 1/66 to September 30/66	663,846	\$142,016.54	\$222,725.23
	Oct. 1/66 to December 31/66	481,261	78,948.31	146,858.79
	Jan. 1/67 to March 31/67	692,380	163,108.59	307,773.84
		1,836,987	\$384,073.44	\$ 677,357.86
Trout (Lake)	April 1/66 to September 30/66	695	347.50	347.50
	Oct. 1/66 to December 31/66	—	—	—
	Jan. 1/67 to March 31/67	2,833	1,691.80	1,697.80
		3,528	2,089.30	2,045.30
Pickerel	April 1/66 to September 30/66	242,933	37,420.29	101,768.55
	Oct. 1/66 to December 31/66	26,315	7,290.06	11,461.86
	Jan. 1/67 to March 31/67	17,038	3,956.69	8,306.35
		286,286	48,667.04	121,536.76
Perch	April 1/66 to September 30/66	262,646	12,332.70	34,196.58
	Oct. 1/66 to December 31/66	4,164	468.49	644.51
	Jan. 1/67 to March 31/67	7,699	840.13	1,982.70
		274,509	13,641.32	36,823.79
Pike	April 1/66 to September 30/66	813,439	34,485.43	100,340.62
	Oct. 1/66 to December 31/66	258,306	14,503.49	29,131.67
	Jan. 1/67 to March 31/67	152,919	12,547.54	25,891.82
		1,224,664	61,536.46	155,364.11
Tullibee	April 1/66 to September 30/66	4,306,580	203,649.39	269,689.31
	Oct. 1/66 to December 31/66	1,669,829	80,295.28	85,583.08
	Jan. 1/67 to March 31/67	515,717	24,809.88	31,160.10
		6,492,126	308,754.55	386,432.49
Mixed Fish	April 1/66 to September 30/66	48,704	1,923.73	2,810.37
	Oct. 1/66 to December 31/66	131,913	4,350.72	4,351.72
	Jan. 1/67 to March 31/67	209,753	7,725.23	10,763.50
		390,370	13,999.68	17,925.59
The above includes Ling and Suckers as well as 1,807 lbs Goldeye from Athabasca and Richardson Lakes for the period April 1st to September 30th, 1966.				\$1,397,485.90
Value to Fishermen — \$271.05.				
Value as Marketed — \$857.80				

WILDLIFE

UPLAND GAME BIRDS

Pheasants in the extreme south showed considerable recovery from their drastic reduction in numbers during the winter of 1964-1965. Although spring densities, chick production and hunter success improved considerably over 1965 the overall picture was still below the 1964 level. In the Calgary to Drumheller area Pheasants showed less recovery and in some areas suffered further mortalities during the 1965-1966 winter. Hunter success, from non-hatchery released birds, was about the same as 1965. Released hatchery raised birds increased success considerably. Weather conditions in this region in the 1966-1967 winter were far from ideal for Pheasant survival and production. Further north the Pheasant picture became increasingly dismal with the immediate Edmonton area experiencing the lowest spring density count in the past three years. In general the Pheasant picture from Red Deer north was poor. The four-day experimental hen Pheasant season resulted in a checked out kill of 233 hens and 115 cocks. Hunter numbers decreased but hunter success increased as the season progressed. In general this experiment went well and should result in furthering our knowledge in future pheasant management.

Hungarian Partridge increased considerably in many areas of the province. Population numbers and hunter success was good in the extreme south and Calgary recorded the highest Partridge per hunter figure on record. The Central region (the parklands) had good production last year but because of the breeding population being low hunter success did not change from the year previous. In the north-central and northern regions "huns" have shown very little, if any, recovery.

Native Grouse, on the other hand, have shown a good recovery throughout the province and the outlook for 1967 and 1968 is good. All species of Native Grouse in all areas have increased over last year, brood production is up and hunter success has increased. We are definitely into the recovery period of the cycle and it appears as though grouse hunting for 1967 should be excellent in most areas.

Sharp-tailed Grouse dancing ground counts were higher in 1966 than 1965 in all districts. Breeding populations were above average in the Lethbridge district, with an average of 6.4 per brood. Production in the prairies was 1.8 young per adult and 2.3 young per adult in the parklands. The fall population was 10 to 15 percent above average and grassland hunters averaged 0.63 birds per hunter for an all-time high. Sharp-tailed Grouse dancing grounds in the Porcupine Hills indicated populations had increased by 65 percent. Sharptails recovered very well in many areas of the north but these areas are scattered.

Ruffed Grouse recovery in general has been greatest in the northeast and least to the south and west. Ruffed Grouse drumming counts in the parklands and foothills showed a noticeable increase in the spring. Production was good at 2.0 young per adult and the birds registered above a trace (0.07 per hunter) in the hunter's bag for the first time since 1961. In the south, drumming counts indicated an increase in Ruffed Grouse populations.

No significant data has been obtained for Blue Grouse populations.

Mortality among the Cypress Hills Turkeys was reported in the late winter of 1965-1966. Snow conditions were severe. Still, some survival occurred

and at least five broods were seen prior to the fall of 1966. A few scattered observations of the Porcupine Hills transplants have been made despite the unfortunate release mortality of 3+ birds. Three apparently authentic and independent December, 1966, observations of 2, 1 and 8 turkeys were reported by deer hunters and ranchers.

Chukar Partridge, which were raised in Calgary, were released in the Drumheller region last spring. Some successful nesting apparently occurred. The incidence of sightings decreased rapidly after November leaving their spring, 1967 status relatively unknown.

Several reports of Pinnated Grouse sightings were received by our Lethbridge office over the past year, but all have proven negative thus far.

1966 PHEASANT RELEASES

Release Area	No. Hens	No. Cocks	Total
Daysland	192	192	384
Stettler	96	96	192
Haynes	48	48	96
Sylvan Lake	48	48	96
Kelsey	192	192	384
Duchess and Rosemary	190	210	400
Vauxhall	168	200	368
Strathmore	368	400	768
Coaldale	200	184	384
Picture Butte	192	192	384
Barons	192	192	384
High River	192	192	384
Mossleigh	192	192	384
Seven Persons	112	112	224
Bow Island	80	80	160
Grassy Lake	122	120	242
Strathmore (surplus cocks)		362	362
Camrose (surplus cocks)		336	336
Brooks (surplus cocks)		110	110
TOTAL	2,584	3,458	6,042

1966 NUMBER OF PHEASANTS RELEASED

Spring Release (adult pheasants)	672	30	702
Fall Release (juvenile pheasants)	2,584	3,458	6,042

WATERFOWL

Nesting conditions on waterfowl were good throughout the province this year with some exceptions in the northwest region where dry conditions prevailed. On our checking stations the number of juvenile birds in the bag as compared to the number of adults was the highest that it has been for several years. Success of duck hunters, represented by the number of birds bagged per hunter, was the highest it has been since 1960. This improved hunter success was evident throughout the province. The average number of young per adult in the bag was 7.0 for all species in Central Alberta. Mallards comprised approximately 60 percent of the kill. Calgary is still wintering a good number of ducks on the Bow River although the number is down a little from 1965.

Goose hunting was also very good in 1966 which was primarily the result of excellent production in the Arctic. Canada Geese comprised about 60 percent of the kill; White Geese about 25 percent and Speckled-bellies or White-fronted Geese about 15 percent. Ross' Geese comprised a larger portion of the White Goose kill than in previous years due to the late arrival of the Lesser Snow Geese from the Arctic but the Ross' Goose kill was still comparatively small.

1966 ESTIMATED PROVINCIAL BIRD GAME HARVEST

Species	Resident	No. Exported By Non-Residents	Total
Ducks	565,348	4,228	569,576
Geese	79,246	2,375	81,621
Pheasants	107,639	3,229	110,868
Hungarian Partridge	77,134	1,779	78,913
Sharp-tailed Grouse	89,718	1,755	91,493
Ruffed Grouse	43,392	118	43,510
Others and Unclassified	14,104	15	14,119

The Canada Goose transplanting program was continued in 1966 with 183 birds being moved. This brings the total to 689 goslings transplanted since the initiation of the program in 1963.

The release areas involved in this program are Ridge Reservoir, Bushy-head Lake, Big Lake, Chain Lakes, Driedmeat Lake, Waterton Reservoir, Vermilion Reservoir (changed to Kenilworth Lake), MacLaren Reservoir, Upper Therien Lake and Ribstone Lake and the following Ducks Unlimited (Canada) Limited projects at Dale, Tilson, Scaupshovel, Michichi, Alexander and Hok.

Thus far the entire project seems very successful with geese now nesting on most release areas which have geese two-years-old or older.

BIG GAME

Fair to good deer reproduction was experienced throughout the entire province last year. Reproduction was particularly good in the Porcupine Hills region. Last spring's deer density figures generally throughout the south and central regions remained unchanged from a year ago. In the northern regions deer have pretty well held their own and appear to have recovered slightly in some regions from a low in 1962. If winter conditions continue as at February further increases can be expected in 1967.

Trophy Mule Deer bucks are scarce in many regions of the south and in one area bucks occur in a ratio of one buck to almost ten does. Reproduction remains high in this area, however, indicating that there are still sufficient bucks present for reproductive purposes.

Overall deer hunter success was up in 1966 over 1965 and the outlook is good.

Elk, over the past year, have followed much the same trend as deer. Elk production in the northwest was high and it is believed that slight increases to the wintering population occurred. Fair to good reproduction occurred in the central region as well and hunter success here was up about 50 percent on all antlered species. This increased success is partly in response to more liberalized seasons. Indications are that we are still harvesting Elk in the central region well below the maximum potential.

The southern regions experienced a very good year for Elk in 1966. Early fall surveys indicated almost one calf per cow in the Porcupine Hills area.

The southern Elk herd known as the Bob's Creek or Oldman River herd received very close attention last year. A March, 1966 survey resulted in an estimated 1,300 head in Wildlife Management Units F 308 and S 402. During the past season an extensive checking station program was conducted. This resulted in a sampling of 5,517 hunter trips during which time 504 Elk, 285 Mule Deer, 19 White-tailed Deer and 67 Moose were checked. From these and other data the 1966 kill estimate for the Oldman River Elk herd was set at 500. This is a few more animals than had been predicted but well within tolerable limits.

Information from the southern checking stations indicate an 80 percent pregnancy rate in cow Elk. It was also found that a number of yearling animals were with calf, indicating a well harvested and healthy herd.

Moose harvests increased in 1966 throughout all the northern and central regions. All indications are, with some exceptions, that higher harvests are warranted. We are still well below the maximum potential. Many ranges are suffering from overuse as a result of overpopulation and reproduction is correspondingly only fair. Poor reproduction was experienced in many northern regions.

Moose reproduction was only fair in some of the south-central (between the Bow River and Highwood summit) and is suspected to be in response to overuse on limited winter ranges. Moose reproduction in the extreme south is not available but limited ranges there also appear to be suffering from heavy use. This southern region presents special moose management problems because of its limited area of good moose range and heavy hunting pressures.

A general Caribou season was initiated in 1966 for the first time in many years. This resulted in a total known kill of approximately 70 Caribou in addition to non-resident hunter activity. Participation and success is expected to increase in 1967.

1966 ESTIMATED PROVINCIAL BIG GAME HARVEST FROM QUESTIONNAIRES AND CHECKING STATIONS

Species	Resident	Non-Resident	Total
Antelope	3,478	0	3,478
Bighorn (Trophy)	176	136	312
Bighorn (Non-Trophy)	64	0	64
		Exported by Non-Residents	
Caribou	70	12	82
Mule Deer	7,720	11	7,731
White-tailed Deer	6,320	0	6,320
Elk	3,485	105	3,590
Moose	9,370	113	9,483
Black Bear	610	23	633
Grizzly Bear	36	15	51

There have been no significant changes in Goat populations throughout the province in the last year. Goats are becoming scarce in some areas of the province, particularly in the south and in a few isolated regions of the northwest.

The condition of our Bighorn Sheep populations give considerable reason for concern over the past year. Almost all herds showed obvious signs of overpopulation.

An experimental non-trophy sheep season was declared in some areas resulted in the issuing of 138 special permits and the harvest of 64 non-trophy animals. An expansion of this program is expected in 1967. It is hoped this action will allow range conditions to improve and assist in avoiding a widespread "die-off" as experienced recently in British Columbia. A non-trophy sheep is described as any male or female sheep with horns less than twelve inches in length.

Extensive helicopter surveys were made of all sheep ranges to gather further information on population numbers.

Sheep seasons were extended into November in 1966 which resulted in an increase of approximately 30 percent more legal rams being harvested. Many rams previously unavailable during the regular season were taken.

Antelope surveys for the province indicated a fall population of approximately 16,500 animals, not including the Suffield Block. Young of the year comprised about 37 percent of the herd. Despite this good level of reproduction the herds did not show the recovery as hoped as a result of considerable winter mortality during the winter of 1965-1966.

The total harvest was about five percent below the objective. This was in part due to the redistribution of animals in Zone 1 as a result of a heavy snow storm immediately prior to the season.

The Antelope population was still below the high of 1964 but had shown limited recovery. Heavy and persistent snow conditions in the northern Antelope areas was causing above normal mortality to March of 1967.

A new regulation was initiated which prohibited the killing of Antelope within 50 yards of a vehicle. This regulation was accepted well by both hunters and landowners with the result that both quality of the sport and hunter-farmer relations were somewhat improved.

COMPARISON OF ANTELOPE HARVEST DATA BETWEEN 1965 SEASON AND 1966 SEASON

	1965	1966
Total permits issued	4,700	4,519
Number of animals taken	3,170	3,478
Number of actual hunters	3,866	4,420
Hunting success for those actually hunting	82%	78.8%
Percent of actual hunters compared to total permits issued	82.2%	97.3%
Percent of animals taken compared to number of permits issued	67.4%	77.0%

PREDATOR CONTROL

Nowhere in the north has it been satisfactorily shown that wolves are depressing game populations. In some areas there is evidence that wolf production is higher in areas of past control programs. In most areas game numbers

are overusing their range and reproduction is reduced as a result. For the above reasons the wolf control campaign was reduced to the point where it was conducted only where livestock damage occurred, public safety was threatened or specimens were collected for scientific purposes. Some stations were established but no known control was effected.

A.R.D.A.

Canada Land Inventory - Wildlife Capability Study

This is a nationwide project established to classify lands for their capability to produce ungulate wildlife.

The Alberta project area includes 150,000 square miles of primarily non-forested lands and includes all the ungulate (big game) species found within that area.

To classify land for its capability to produce ungulate wildlife, the following criteria are considered: soil, topography, vegetation, climate and ungulate densities.

Extensive aerial surveys have been conducted in the northwest and parklands as well as several major river systems on the southern prairies to estimate ungulate densities. Browse surveys were conducted on various major soil types.

Since weather plays a vital role in the capability of an area to produce wildlife, an attempt to collect meteorological data on snow depths, average temperature, etc. has been made during the winter. Topographic features have also been studied in their relationship to wild ungulate production.

The delineation and complexing of the various land classes are completed for the four map sheets of Wainwright, Vermilion, Red Deer and Edmonton. Most recent efforts are now being placed on the northwestern regions.

A second A.R.D.A. program involving the Fish and Wildlife Division, as well as several other divisions within the Department of Lands and Forests and other government departments is just now getting underway. This is a program designed to determine the economic feasibility of alternative land uses in the forested regions of the province. The study area for this program involves about 30 townships of various land types and uses south and west of Grande Prairie.

Crown Lands

During the past year we have become more involved with the disposition of Crown Lands and have become involved in Crown Land, land-use practices.

The Fish and Wildlife Division has become involved in recommending programs for land clearing on grazing leases and grazing reserves so that we are now able to make some headway in the protection and retention of wildlife habitat and populations. This has involved the northern area primarily and to a lesser degree the central and southern districts.

We have become involved in recommending the disposition of Crown Lands surrounding water bodies and thus are able to exert some influence on the retention and protection of waterfowl and furbearer habitat.

Our involvement has continued in the disposition of road allowance leases during the past year. These right-of-ways are very important in supplying bird cover in the prairies and foothills as well as supplying access to the public. Over 250 road allowance lease applications were inspected by the Calgary office last year.

GAME

COMPARISON OF THE NUMBER OF GAME LICENCES ISSUED

	1963	1964	1965	1966
Resident Bird Game Licences	89,534	86,671	76,880	64,219
Non-Resident (Non-Canadian) Bird Game Licences	987	959	796	854
Resident Big Game Licences	64,809	58,581	41,748	48,039
Non-Resident (Canadian) Big Game Licences	59	75	71	86
Non-Resident (Non-Canadian) Big Game Licences	434	455	554	631
TOTAL	155,823	146,741	120,049	113,829

GAME LICENCES

APRIL 1st, to MARCH 31st, 1967

	Licences	Fee	Total Amount
Wildlife Certificates	106,132	\$ 2.00	\$212,264.00
Resident Bird Game Stamps	64,219	2.50	160,547.50
Non-Resident (Alien) Bird Game Stamps	854	25.00	21,350.00
Resident Big Game Stamps	48,039	5.00	240,195.00
Non-Resident (Canadian) Big Game Stamps	86	50.00	4,300.00
Non-Resident (Alien) Big Game Stamps	631	100.00	63,100.00
Permits to Collect	58	Free	—
Taxidermist's Licences	44	5.00	220.00
Guide's Licences (Class "A" and "B")	456	2.50	1,140.00
Game Farms (Birds)	25	Various	290.00
Game Farms (Big Game Animals)	2	Various	150.00
Resident Trapper's Licences	3,774	3.00	11,322.00
Dog Trainers	14	Various	190.00
Resident Spring Bear Licences	587	5.00	2,935.00
Non-Resident (N.R. & N.R. Alien) Spring Bear Licences	13	25.00	325.00
Resident Sheep Stamps	1,326	7.50	9,945.00
Non-Trophy Sheep Stamps	138	5.00	690.00
Resident Goat Stamps	367	7.50	2,752.50
Resident White-tail Deer Stamps	28,087	3.00	84,261.00
Non-Resident (N.R. & N.R. Alien) White-tail Deer Stamps	73	15.00	1,095.00
Resident Mule Deer Stamps	34,318	3.00	102,954.00
Resident Antelope Licences	4,519	7.50	33,892.50
Resident Caribou Stamps	307	7.50	2,302.50
Wainwright Deer Stamps	123	3.00	369.00

CONVICTIONS UNDER THE GAME ACT - 1966-67

Number of Convictions...	587
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CONFISCATED FURS

Amount realized from the sale of confiscated fur during the period April 1st, 1966 to March 31st, 1967...	\$2,174.57
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TRAPLINE REGISTRATIONS

Number of Registered Traplines and Revenue April 1st, 1966 to March 31st, 1967	2,638 @ \$10.00	\$26,380.00
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FUR DEALERS' LICENCES, ETC.

April 1st, 1966 to March 31st, 1967

KIND	NUMBER	REVENUE
Resident Fur Dealers' Licences to carry on business in a city, and elsewhere than in a city	148 4	\$1,480.00 20.00
Non-Resident Fur Dealers' Licences to carry on business in the Province	2	200.00
Resident Travelling Fur Purchasing Agents' Licences	12	1,200.00
Furriers' Licences	14	140.00
Tanners' Licences	4	40.00

FUR TAX REVENUE

Amount Collected	\$64,123.45
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ALBERTA FUR PRODUCTION - SEASON 1966-67

(WILD FUR)

	Total Number of Pelts	Average Value of Pelts	Total Value of Pelts
Badger	172	\$ 4.55	\$ 782.60
Bear	421	8.55	3,599.55
Beaver	41,970	11.97	502,380.90
Ermine	39,981	.87	34,783.47
Fisher	363	11.26	4,087.38
Silver Fox	6	17.80	106.80
Cross Fox	33	7.18	236.94
Red Fox	176	4.50	792.00
White Fox	42	20.54	862.68
Blue Fox	5	6.50	32.50
Lynx	1,098	24.77	27,197.46
Marten	573	12.17	6,973.41
Mink	3,803	13.93	52,975.79
Muskrat	259,367	.78	202,306.26
Otter	163	14.28	2,327.64
Jack Rabbits	6,395	.21	1,342.95
Skunk	8	.36	2.88
Squirrel	300,408	.57	171,232.56
Coyote	5,578	3.77	21,029.06
Timber Wolves	352	25.94	9,130.88
Wolverine	27	15.00	405.00
Totals	660,941		\$1,042,588.71

PROVINCIAL PARKS

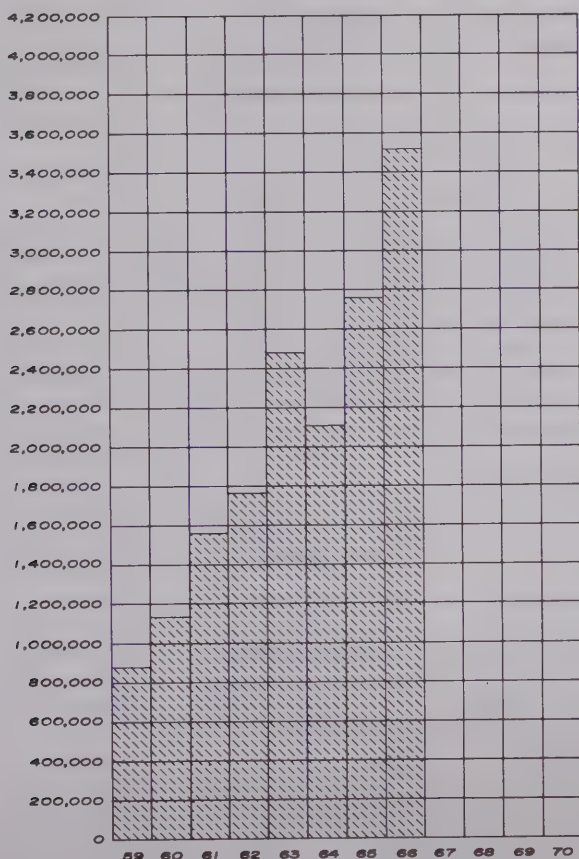
REPORT OF THE DIRECTOR

E.P. SHAVER

The summer weather during the year was not improved over the previous season, however, the growing popularity of provincial parks for passive and active recreation by patrons resulted in a twenty-nine per cent increase in day-use patrons over 1965. This is the first time patronage figures have reached or exceeded the three million mark. In addition, there was an upsurge in park use-age by campers during the year resulting in a seventy-one per cent increase for trailers and a twenty-four per cent increase for tenters.

Attendance Graph

During the past several years, the Alberta Public has expressed a dynamic and accelerating interest in outdoor recreation. Our expanding urban population, increased mobility and the assurance of increased leisure and larger incomes have created an urgent need for provision of expanding park facilities.



TOTAL ATTENDANCE FOR ALL PROVINCIAL PARKS

To help meet the needs of the public, Provincial Parks during the year increased the areas contained within several already established parks. In addition, a new park was established "Lesser Slave Lake" on the east shore of Lesser Slave Lake containing an area of 17,852.26 acres bringing the total number of provincial parks in Alberta to forty-two. A new historical site was also established "Old Women's Buffalo Jump" (8.16 acres) near Cayley, Alberta making a total of twenty-four such sites in the province.

During the year, the following accessories were supplied to the provincial parks:

800 Picnic Tables
91 Benches
50 Sanitary Units

In addition, the following major projects were completed in the various parks:

NEW CONSTRUCTION (Department of Public Works)

Water and Sewer System -	Wabamun Lake
Water System	- Cypress Hills
Water System	- Bow Valley
Lodge	- Cypress Hills
Sewage Systems	- Cypress Hills

NEW CONSTRUCTION (Provincial Parks)

Two Bedroom Residences and Garages

Aspen Beach
Bow Valley
Little Bow
Miquelon Lake
Thunder Lake
Wabamun Lake

Double Garages

Red Lodge
Big Knife

Workshop	- Park Lake
Two Washrooms	- Cypress Hills
Bridge Replacement	- Cypress Hills
Lake Intake, Pump house and Water System	- Little Bow
Lake Intake and Pump house	- Garner Lake

Residence Renovations

Dinosaur
Lac Cardinal
Beauvais Lake

Water Wells

Pembina River
Thunder Lake (2)
Bow Valley
Rochon Sands

Water System - The Vermilion

Sea Wall - Wabamun Lake

Marina - Cypress Hills

Picnic Shelters

Cypress Hills (4)
Entrance
Willow Creek

Display Building

Dinosaur

In addition to the major projects undertaken within the Parks system, many new refinements have been added with improvement of facilities, additional lighting and power, water distribution systems and improvements to existing picnic shelters and other park buildings.

During this year, a complete water study was undertaken by a firm of water well consultants in order to correlate water supplies within provincial parks to the water potential. This water study provides present day statistics for individual park water supplies as well as projected figures up to ten years as to water supplies, potential and requirements for parks.

As of March 31, 1967, the following assistance was provided by the Provincial Parks Division through Municipal Aid Grants to eligible improvement districts, municipal districts, counties, etc.:

Total Amount Paid	\$294,159.28
Grants Approved but not Paid to Date	\$ 67,728.68
Balance of Grants Not Applied For	\$ 61,454.64
TOTAL	\$423,342.60

Total grants approved represents eighty-five per cent of those eligible leaving a balance of fifteen per cent of eligible improvement districts, municipal districts and counties who had not made application as of March 31, 1966 -- the closing date for applications for the Municipal Aid Grant Program.

STATEMENT OF REVENUE AND EXPENDITURE IN RESPECT TO
PROVINCIAL PARKS

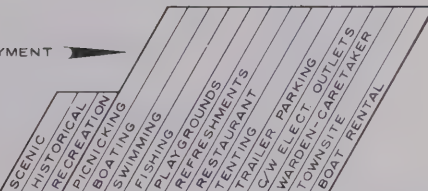
FOR YEAR ENDING MARCH 31, 1967

PARK	REVENUE RECEIVED BY PARKS		EXPENDITURE BY PARKS	
	\$	--	\$	--
Administration		--		124,324.73
ARDA Rec. Land Inventory		--		22,774.86
Mobile Equipment		--		191,733.05
Salaries		--		309,797.97
General Equipment		--		4,139.23
Workshop		--		51,167.97
Warehouse		--		101,535.49
Historical Sites		--		1,022.79
Contingency Projects		--		28,105.06
Bow Valley Tourist Camp (Trans. Canada)		--		3,733.25
Tillebrook Tourist Camp (Trans. Canada)		--		425.00
Natural Areas		--		--
Miscellaneous Equipment		--		27,202.13
Equipment - Repair		--		39,940.05
Aspen Beach	7,046.00			51,874.43
Beauvais Lake	915.26			22,407.85
Big Hill Springs	--			6,721.48
Big Knife	146.50			12,200.02
Bow Valley	5,349.80			45,272.09
Bragg Creek	--			8.13
Crimson Lake	2,232.34			36,518.37
Cross Lake	32.00			6,891.17
Cypress Hills	30,101.02			159,898.76
Dillberry Lake	747.36			18,355.83
Dinosaur	257.00			38,439.19
Entrance	43.00			13,647.59
Garner Lake	7.79			16,546.78
Gooseberry Lake	165.00			10,850.76
Kinbrook Island	1,356.00			17,486.71
Lac Cardinal	105.00			10,517.59
Little Bow	1,368.00			37,460.45
Little Fish Lake				3,343.03
Long Lake	1,464.90			25,431.31
Ma-Me-O Beach	--			3,311.88
Miquelon Lake	2,499.00			46,484.31
Moonshine Lake	52.00			11,624.60
O'Brien	--			4,259.94
Park Lake	524.00			17,420.44
Pembina River	577.66			8,449.53
Red Lodge	372.00			10,154.07
Rochon Sands	27.00			14,651.44
Saskatoon Island	415.25			6,253.35
Taber	32.00			8,505.91
The Vermilion	1,142.77			16,643.03
Thunder Lake	42.00			39,425.33
Wabamun	4,014.68			62,914.07
Williamson	--			8,371.55
Willow Creek	--			14,236.19
Winagami Lake	1,058.50			20,801.20
Woolford	--			1,621.59
Writing-on-Stone	310.56			7,099.78
Sir Winston Churchill Prov. Park	--			--
Slave Lake (Proposed)	--			7,391.49
	\$ 62,404.39		\$ 1,749,392.82	

ALBERTA PARKS FACILITIES CHART

FOR YOUR PLEASURE AND ENJOYMENT

PRIMARY VALUES



NAME OF PARK	AREA IN ACRES	SCENIC	HISTORICAL	RECREATION	PICNICKING	BOATING	SWIMMING	FISHING	PLAYING	REFRESHMENTS	RESTAURANTS	TENTING	CAMPING	WARDEN	ELECT. OUTLETS	TOWNSITE	CARETAKER	BOAT RENTAL	NEAREST CITY OR TOWN
ASPEN BEACH	232.14			x	x	x	x	x	x	x									LACOMBE
BEAUVAIS LAKE	626.19	•	•	x	x	x	x	x											PINCHER CREEK
BIG HILL SPRINGS	62.94	•	•	x															COCHRANE
BIG KNIFE	731.50		•	x	x			x	x	x									FORESTBURG
BOW VALLEY	2309.36	•	•	x															SEEBE
BRAGG CREEK	305.20		•	x															CALGARY
CRIMSON LAKE	7807.86		•	x	x	x		x	x										ROCKY MTN. HOUSE
CROSS LAKE	96000		•	x	x	x	x	x	x										FAWCETT
CYPRESS HILLS	49620.00	•	•	x	x	x	x	x	x										MEDICINE HAT
DILLBERRY LAKE	219.83		•	x	x	x	x	x	x										PROVOST
DINOSAUR	22072.40	•	•	x															PATRICIA
ENTRANCE	6617.50	•	•	x	x	x	x												HINTON
GARNER LAKE	146.55		•	x	x	x	x	x	x										SPEEDDEN
GOOSEBERRY LAKE	128.00		•	x	x	x		x	x										CONSORT
HOMMY	16.43																		BEAVER LODGE
JARVIS BAY	215.89																		SYLVAN LAKE
KINBROOK ISLAND	9500		•	x	x	x	x	x	x										BROOKS
LAC CARDINAL	320.40		•	x	x	x													BERWYN
LESSER SLAVE LAKE	17852.26																		SLAVE LAKE
LITTLE BOW	272.16		•	x	x	x	x	x											CHAMPION
LITTLE FISH LAKE	151.21		•	x	x	x													DRUMHELLER
LONG LAKE	1726.47		•	x	x	x	x	x											NEWBROOK
MA-ME-O BEACH	400		•	x	x	x	x												WETASKIWIN
MIQUELON LAKE	8837.9		•	x	x	x		x	x										CAMROSE
MOONSHINE LAKE	1922.00		•	x	x	x		x	x										SPIRIT RIVER
O'BRIEN	21.80		•	x															GRANDE PRAIRIE
PARK LAKE	184.29		•	x	x	x	x	x	x										LETHBRIDGE
PEMBINA RIVER	408.76		•	x															ENTWISTLE
RED LODGE	158.97		•	x				x	x										BOWDEN
ROCHON SANDS	158.00		•	x	x	x	x												ERSKINE
SASKATOON ISLAND	256.00		•	x	x	x		x	x										GRANDE PRAIRIE
SIR WINSTON CHURCHILL	591.40																		LAC LA BICHE
TABER	127.01		•	x															TABER
THUNDER LAKE	1204.33		•	x	x	x	x												BARRHEAD
THE VERMILION	1929.33		•	x	x	x	x	x	x										VERMILION
TILBROOK	180.96																		BROOKS
WABAMUN LAKE	692.38		•	x	x	x	x	x											WABAMUN
WILLIAMSON	44.62		•	x	x	x	x	x	x										VALLEYVIEW
WILLOW CREEK	75.60		•	x															STAVELY
WINAGAMI LAKE	2952.00		•	x	x	x	x	x	x										McLENNAN
WOOLFORD	69.75		•	x															WOOLFORD
WRITING-ON-STONE	1055.10	•	•	•	x														MILK RIVER

LEGEND

x - FACILITIES PROVIDED

o - FACILITIES PROVIDED AND FEE CHARGED

p - PERMITTED BUT NOT PROVIDED

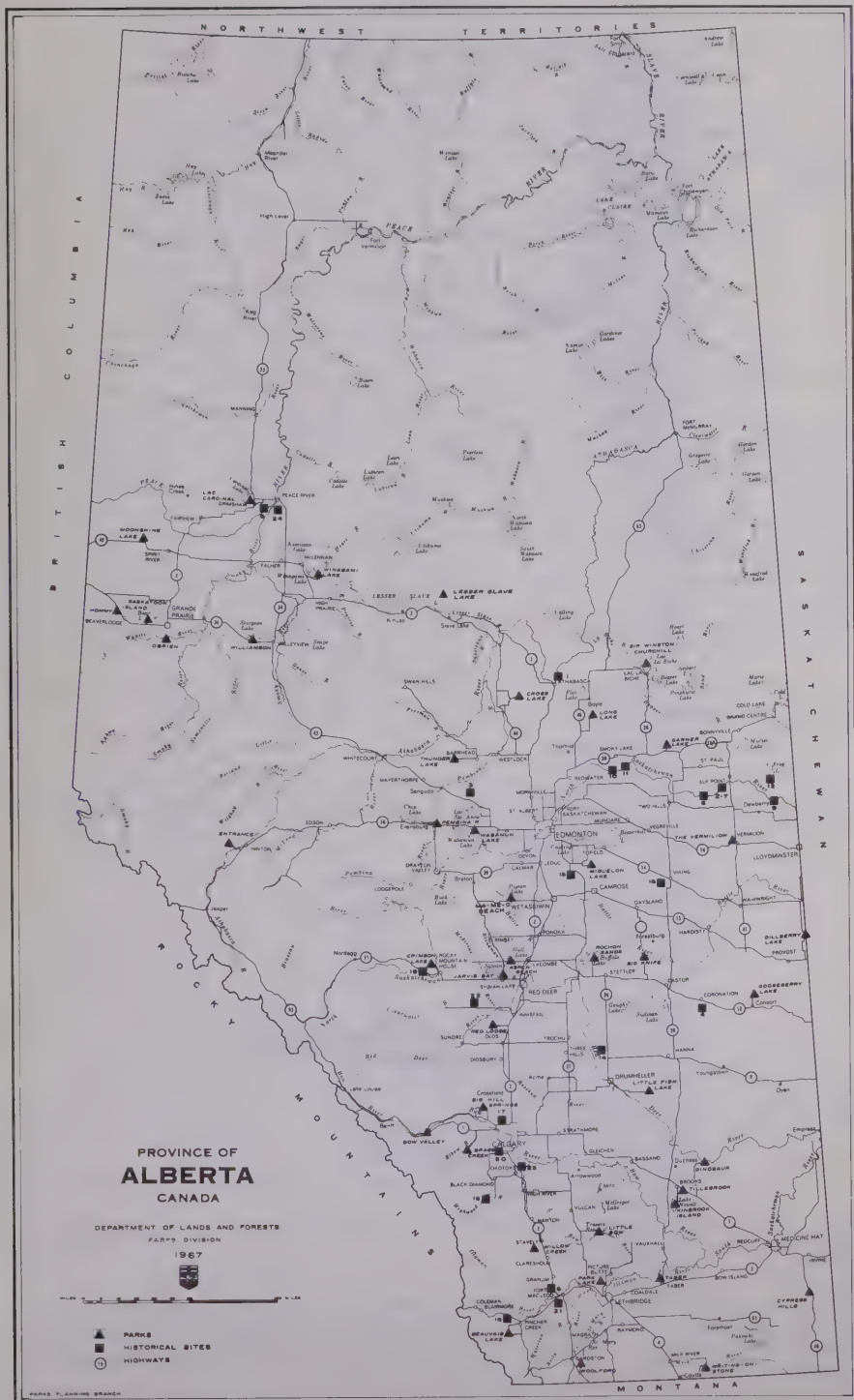
w - WARDEN

c - CARETAKER

ALBERTA

HISTORICAL SITES

NAME OF SITE	AREA IN ACRES	NEAREST CITY OR TOWN
1 ATHABASCA LANDING	3.02	ATHABASCA
2 BUCKINGHAM HOUSE	5.79	ELK POINT
3 BUGNET PLANTATION	13.00	GUNN
4 CORONATION BDY. MARKER	0.25	CORONATION
5 EARLY MAN SITE	1.00	FT MACLEOD
6 FORT DE L'ISLE	107.20	MYRNAM
7 FORT GEORGE	1.00	ELK POINT
8 FORT McLEOD	0.66	PEACE RIVER
9 FORT VERMILION	2.00	MARWAYNE
10 FORT VICTORIA	0.80	SMOKY LAKE
11 FORT WHITE EARTH	5.48	SMOKY LAKE
12 FROG LAKE MASSACRE	3.84	ELK POINT
13 HAY LAKES TELEGRAPH STATION	0.89	HAY LAKES
14 INDIAN STONE PILE	3.75	TROCHU
15 MASSACRE BUTTE	1.00	LUNDBRECK
16 OLD WOMEN'S BUFFALO JUMP	8.16	CAYLEY
17 REV. GEORGE McDOUGALL	0.46	CALGARY
18 RIBSTONES	2.00	VIKING
19 ROCKY MOUNTAIN HOUSE FORT	2.75	ROCKY MTN. HOUSE
20 SHAW WOOLEN MILL	0.25	CALGARY
21 STANDOFF	1.00	STANDOFF
22 STEPHANSSON	12.00	MARKERVILLE
23 ST. JOSEPH INDUSTRIAL SCHOOL	0.36	OKOTOKS
24 TWELVE FOOT DAVIS	2.10	PEACE RIVER



TECHNICAL

REPORT OF THE DIRECTOR

T. DRINKWATER

The number of notifications issued was down slightly from the previous fiscal year, however, the acreage patented indicated a small increase over 1965-66.

NOTIFICATIONS ISSUED DURING FISCAL YEAR

April 1st, 1966 to March 31st, 1967

(surface rights only)

Classification	Notifications	Area
Homesteads	239	59,930.79 acs.
Sales (including lots in subdivisions)	294	36,335.827 acs.
Notification to Minister of Lands and Forests	29	190,407.665 acs.
Exchange of Land	9	2,473.71 acs.
Transfer of Administration and Control	9	86.46 acs.
Release of Habendum Clause	7	250.05 acs.
Special Grants and Free Grants	8	1,781.82 acs.
Homestead Sales	157	40,413.70 acs.
Homestead Lease Loan Sale	56	14,644.33 acs.
TOTAL	808	346,324.352 acs.

PLANS OF SURVEY

The number of plans checked and filed in the Division increased representing the highest total in the past ten years. A breakdown of the various plans submitted for checking is as follows:

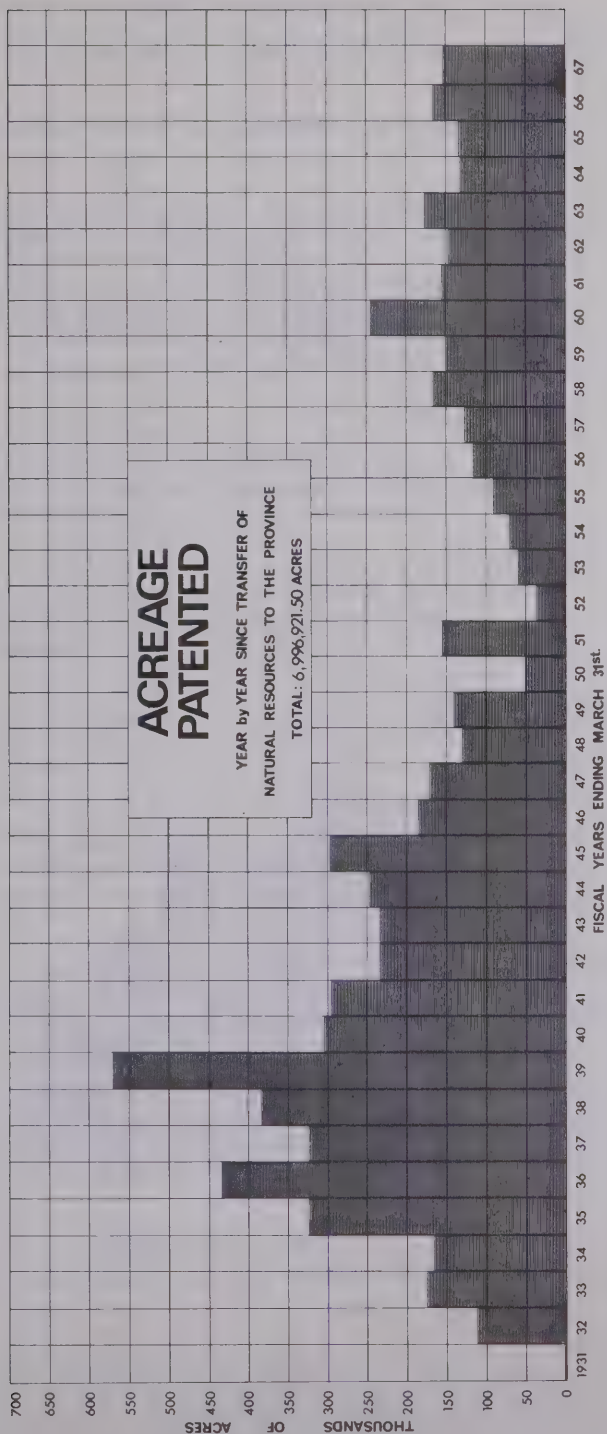
Wellsites	- 819
Access roads	- 359
Pipelines	- 324
Roads	- 157
Power lines	- 120
General	- 63
Subdivisions	- 48
Irrigation	- 18
Railway	- 4

TITLES ACQUIRED IN THE NAME OF THE CROWN

The Division acquired title in the name of the Crown to the following:

Twenty-five quarter sections or portions thereof were acquired through exchanges of land.

One Hundred and eighty-eight quarter sections were acquired through purchases by the Department of Agriculture under the A.R.D.A. program for inclusion in grazing reserves and community pastures or for agricultural redevelopment in the Edson Census Division.



Portions of 7 quarter sections were acquired for additions to Provincial Parks.

Four former school sites were acquired through transfer from school divisions or counties.

Portions of 3 quarter sections were purchased for Forestry ranger stations and airstrips.

Two quarter sections were transferred from Water Resources Branch of the Department of Agriculture so that they could be included in a grazing lease.

In addition to the above, title to 1,053 quarter sections were received for lands which had been brought under the Land Titles Act, by this office, to facilitate registration of mortgages against easements, pipeline agreements, board orders, etc. by pipeline companies and major utility companies.

LAND SETTLEMENT SURVEYS

Approximately 63,360 acres of land were surveyed in the northern part of the province for land settlement purposes. Details of the areas surveyed are as follows:

Twp. 68, Rge. 21, W5th Meridian - Sections 1 to 36 inclusive.

Twp. 87, Rge. 1, W6th Meridian - West halves of Sections 1, 12, 13, 24, 25 & 36, to complete the easterly row of sections where homestead lessees were eligible to receive title.

Twp. 109, Rge. 9, W5th Meridian - Sections 1 to 36 inclusive.

Twp. 109, Rge. 10, W5th Meridian - Sections 13 to 36 inclusive.

MISCELLANEOUS SURVEYS

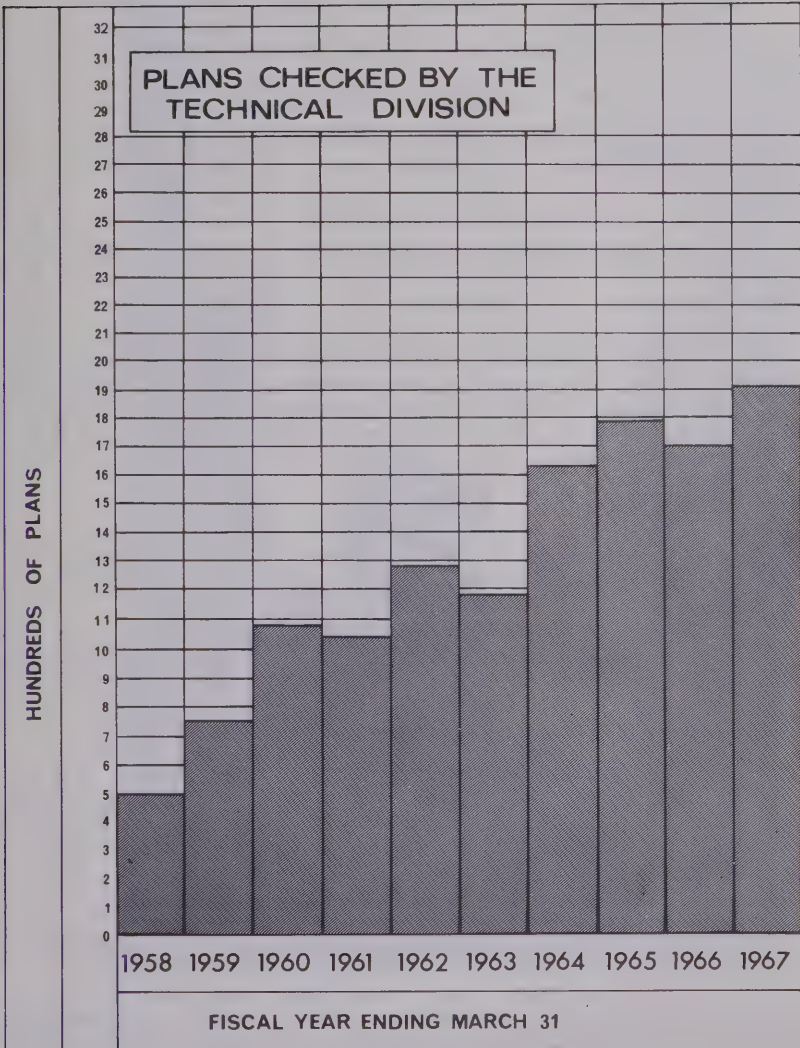
Subdivision at Elkwater in Cypress Hills Provincial Park - a resurvey of the existing townsite was carried out involving approximately 400 lots. In addition certain miscellaneous lease areas which had been described by metes and bounds were surveyed as well as the boundary between the Provincial Park and privately owned lands adjacent to the Park.

"Head Smashed" in Buffalo Jump Historical Site, Section 6, Township 9, Range 26, West 4th Meridian - a survey was made of an archaeological site for the Provincial Park Branch in order that the land might be obtained from the owner and preserved as an historical site.

Addition to Subdivision at Smith - 21 residential and commercial lots were surveyed at the Town of Smith, Township 71, Range 1, West 5th Meridian, at the request of the Alberta Commercial Branch to accommodate people moving into the area. This plan was registered at No. 4867 NY in the Edmonton Land Titles Office.

Moose Lake - a subdivision involving 74 lots was surveyed at Moose Lake for summer cottage purposes and the plan of the subdivision registered as No. 4845 NY.

Subdivision in the North East quarter of Section 36, Township 71, Range 17, West 1th Meridian (Miskano) - a subdivision was made in the Wandering River area for highway commercial purposes adjacent to the Fort McMurray Highway and also to provide residential lots in the area in contemplation of future demand. Fifteen lots were surveyed and the plan was registered as No. 5177 NY.



A survey was also made of a site at Granlea Reservoir in southern Alberta to provide parking on private property for fishermen using the reservoir.

AERIAL PHOTOGRAPHY

The demand for the services and products of the aerial photographic lab remained constant during the fiscal year. Details are as follows:

	1965-66	1966-67
Contact prints printed in lab.	167,464	161,272
Rectified prints	5,517	6,771
Enlargements	1,487	2,150
Kelsh diapositives	568	899
Multiplex diapositives	154	537
K 20 films processed	25	11
K 20 prints	1,260	1,252
9½" x 9½" films processed	14	27
9½" x 9½" prints from above films	2,458	2,905

NEW PHOTOGRAPHY

Following the program of recent years an additional 24,000 square miles of new photography was planned for the Department of Municipal Affairs, however, due to adverse weather conditions in the month of August only 15,000 square miles were flown. The balance of the photography will be picked up during the next fiscal year.

TOPOGRAPHIC MAPPING

Two thousand one hundred and seventy-seven - 1" = 1 mile mosaics were printed for government use and for resale.

Six 1" to 1 mile mosaics were compiled from new photography and 183 special order mosaics for various government agencies were constructed covering some 5,527 square miles.

Forty-three flying licences were issued during the fiscal year.

The stereo plotting equipment was again kept busy to its full capacity compiling 60 individual projects at various scales covering 446,300 acres. The demand for the services provided by this equipment is continuing to increase.

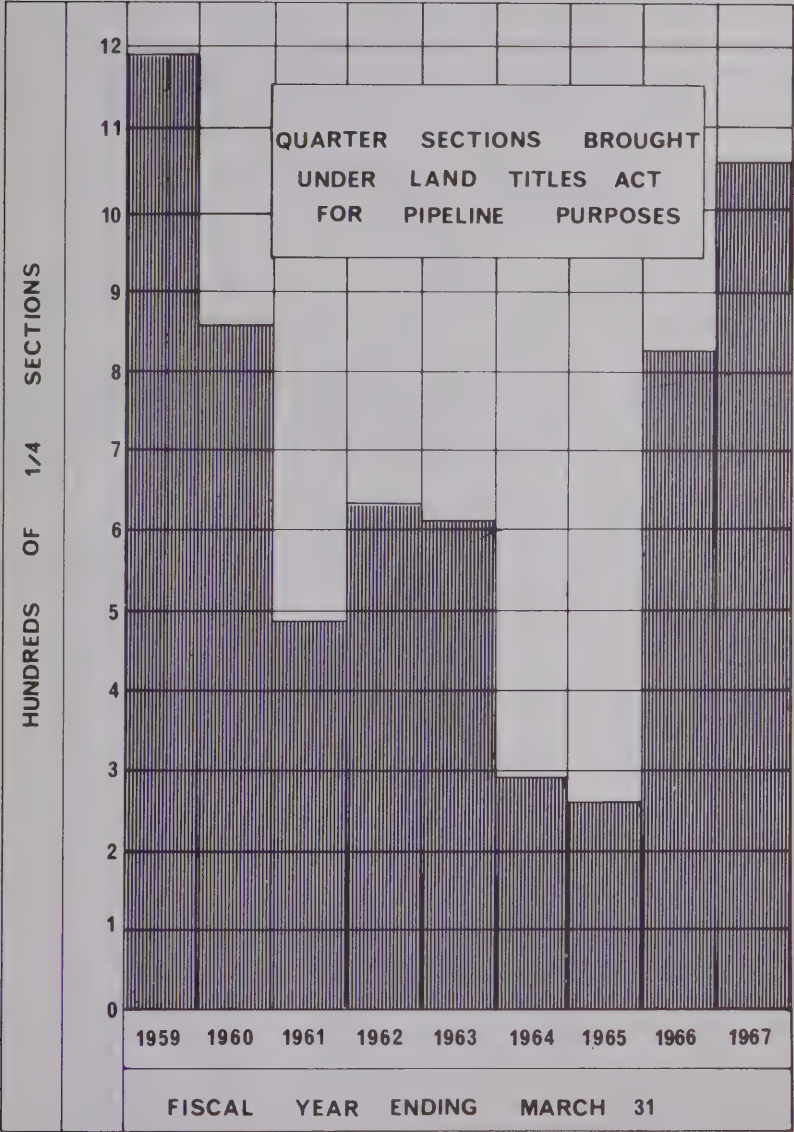
CARTOGRAPHIC UNIT

1" = 2 mile series - the four maps in area 83H were completed and printed in six colors.

The maps in area 83A were completed to the final proofing stage. 83B is complete to color separation and 83G, 83I, 83J and 82 O are in the compilation stage.

The settlement series of maps, scale 1" = 4 miles, which will replace the former Peace River Booklet, is well in hand with maps 84C and 81F completed.

Compilation and type set lists for the 8 maps in the series have been completed. 16 mile map - the 16 mile map is complete with the exception of the typeset



overlay and scribing of the survey grid plate. Publication is anticipated approximately September, 1967.

Yellow and Green Area Map - a new yellow and green area map was prepared indicating additional land classification symbols. Three thousand copies were printed in 4 colors.

Numerous other map projects were completed including 1" to 2 mile maps for the Registration Division; soil potential map for the Lands Branch, 6 multi-colored maps of irrigation projects for the Department of Agriculture, exchange district maps for Alberta Government Telephones and various regulation pamphlets, big game hunting pamphlets, etc., for the Fish and Wildlife Division.

Eleven mechanical drafting projects were completed for the Alberta Forest Service and Fish and Wildlife Division.

ATLAS OF ALBERTA

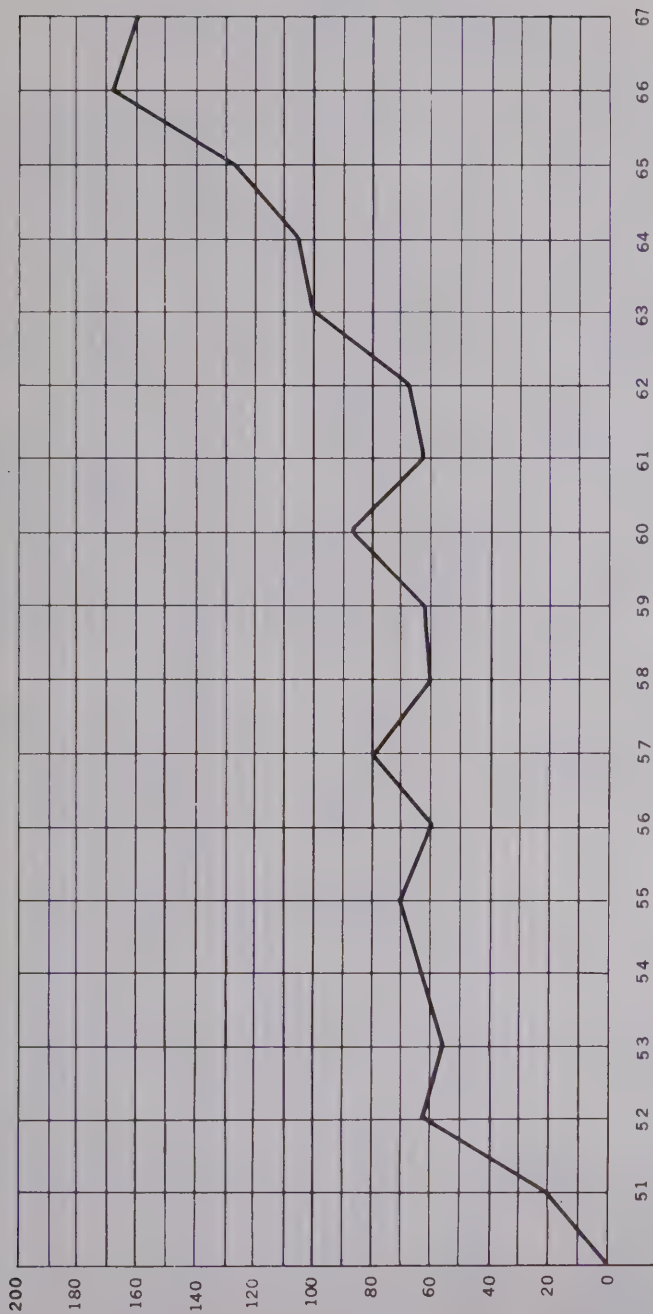
Work on the Atlas of Alberta has continued at a steady pace with finished work progressing slower than anticipated.

At the end of the fiscal year 22 pages had been completed. It is expected that the compilation will be completed by August 1967 and it is hoped that the final scribing and subsequent printing of the Atlas will be completed in the Spring of 1968.

MAP AND AERIAL PHOTOGRAPH SALES

During the fiscal year sale of aerial photographs, etc., amounted to \$55,519.68 and map sales amounted to \$31,421.18.

THOUSANDS OF PHOTOS PRINTED



REGISTRATION

REPORT OF THE REGISTRAR

Work Stations	Yearly Total	Daily Average	Increase (+) or Decrease (-) from previous Year	Minimum and Maximum Range Per day
1. Mail Cage	(No.)	(No.)	%	(No.)
Incoming mail (pieces)	164,758	664	- 7.7	298 - 1,633
Outgoing mail (pieces)	310,165	1,251	+ 7.5	435 - 4,971
Total (pieces)	474,923	1,915	+ 1.7	1,107 - 5,748
Incoming registered (pieces)	3,840	15	+ 11.5	4 - 59
Outgoing registered (pieces)	7,167	29	+ 21.2	1 - 807
Total (pieces)	11,007	44	+ 17.6	8 - 821
Cash blotter entries	37,697	152	- 6.6	58 - 734
Interim receipts issued	3,173	13	- 10.3	3 - 30
Total	40,870	165	-	66 - 753
Cash received (Mail)	\$ 9,715,221.64	\$39,174	+ 4.0	\$5,622 - 728,473
Cash received (Counter)	\$ 1,224,559.92	\$ 4,938	+ 11.4	\$ 28 - 81,833
Total	\$10,939,781.56	\$44,112	+ 4.8	\$6,399 - 729,468
2. Filing				
Files (live, storage, micro-film) (Grand Total)	534,218	-	-	-
Telephone requests	33,533	131	4.2	74 - 198
Marking and attachments	164,848	665	- 2.0	291 - 1,362
Deferred and special searches	3,631	15	- 0.6	5 - 35
Deferred and special search files	5,828	24	- -	5 - 76
3. Filing Records				
Files opened	6,032	24	- 6.6	-
Files closed	6,829	28	- 13.8	-
Kardex entries	35,885	145	+ 25.3	-
Files processed	99,948	403	+ 16.1	-
4. Microfilming				
Rolls film exposed	281	-	+ 48.7	-
Rolls film checked	281	-	+ 48.7	-
5. Records				
Files received	50,962	205	+ 0.7	99 - 573
Land searches (internal) pages	17,810	72	+ 21.3	16 - 267
Land searches (commercial pages)	1,549	6	- 21.2	0 - 19
Register pages transcribed	1,969	8	-	-
Basic entries	17,299	-	+ 7.5	-
6. Surface Rights Plotting				
Sections opened (Grand Total)	2,772	-	-	-
Files rec'd in distribution	6,296	25	+ 16.1	0 - 82

ACCOUNTS**REPORT OF THE ADMINISTRATIVE ACCOUNTANT***A. McCALLUM*

The following statements summarize the results of operations for the year under review.

Gross receipts from all sources amounted to	\$11,895,465.02
Total disbursements	\$16,576,290.86
Net receipts from all sources	\$10,902,117.15
Excess of disbursements over receipts	\$ 5,674,173.71

REVENUE

Net receipts from all sources amounted to \$10,902,117.15 an increase of \$1,381,053.82 from the previous year.

Total amount of money refunded during the year amounted to \$993,347.87. There was a further amount of \$198,540.75 refunded in respect of revenue received in the previous year. Refunds to the taxing authority as provided by The Grazing Lease Taxation Act, The Crown Cultivation Leases Act and The Tax Recovery Act totalled \$567,936.96.

Money held in trust as at March 31, 1967, amounted to \$449,790.07 a breakdown of which is as follows:

Miscellaneous	\$155,335.66
Homestead Compensation Trust	38,824.43
Timber Deposits Trust	251,538.50
Timber Forfeited Money & Reforestation Trust	4,091.48
	<hr/>
	\$449,790.07

Active Accounts Receivable as at March 31, 1967, stood at 35,546 together with Fish and Game Vendors' Accounts totalling approximately 1,485.

Official receipts and permits issued for the year totalled 67,748 from total cash entries of 71,883.

The following figures indicate the number of Fishing Licenses and Game Licenses sold for the years 1965 and 1966.

	1965	1966
Fishing Licenses	127,194	137,687
Game Certificates	109,593	106,132
Game Stamps	181,306	183,087

Under the various agreements entered into between Canada and the Province, revenues were received as follows:

	Income	Capital
Forestry Agreement	\$ 825,254.96	\$177,108.02
ARDA Agreement	105,972.02	
Department of Transport		100,000.00
Educational Training	160,310.51	
Air Weapons Range Primrose Lake	53,049.98	
	\$1,144,587.47	\$277,108.02

EXPENDITURE

Expenditure in Income Account for the year under review totalled \$14,562,714.05, which includes Special Warrants amounting to \$1,685,000.00.

Expenditure under Capital Account for the year ending March 31, 1967, totalled \$2,013,576.81.

Firefighting costs for the year were \$1,548,034.82.

In connection with the destruction of pests an amount of \$22,620.34 was disbursed.

Funds disbursed in respect of the developing and maintaining of Provincial Parks in the Province amounted to \$1,749,392.82. There was a further sum of \$118,896.12 disbursed from Capital Account.

Recreational Grants for the year under review amounted to \$89,726.50.

Under The Homestead Lease Loan Act, funds totalling \$155,907.25 were disbursed during the current year. This amount now makes the total disbursements under this Act \$1,569,917.83.

Maintenance costs of the Eastern Rockies Forest Conservation Board Agreement, including expenses of the Board, totalled \$71,795.55.

Aircraft patrol and maintenance operations for the year totalled \$661,689.90.

During the year under review an amount of \$13,324.57 was disbursed in respect of aerial photography.

As the Department continues to expand the personnel earnings' records for both salary and wage employees continues to show an increase and for the year under review stood at:

Salaries	1,133
Wages	1,298

For details of expenditure from Income Account see Statements "E" and "F".

In keeping with the continued expansion of the Department, members of the Accounting Division are constantly giving of their time and talents in assisting the various Branches and the spirit of cooperation exhibited by all members of the staff is again gratefully acknowledged.

STATEMENT A

STATEMENT OF RECEIPTS FROM ALL SOURCES

FROM APRIL 1, 1966 TO MARCH 31, 1967

	GROSS RECEIPTS	REFUNDS	NET RECEIPTS
Income Account	\$ 9,083,885.95	\$770,314.02	\$ 8,313,571.93
Capital Account	1,870,503.57	24,332.12	1,846,171.45
Reimbursement of Previous Year's Expenditure	6,778.14	—	6,778.14
Timber Deposits Trust	52,115.00	825.00	51,290.00
Homestead Compensation Trust	3,070.34	1,568.26	1,502.08
Homestead Lease Loan Trust	146,850.90	5,015.64	141,835.26
Miscellaneous Trust	134,817.61	30,386.02	104,431.59
Unapplied Receipts Carried Forward			
Improvements	55,971.58	26,107.34	29,864.24
Suspense	246,471.93	134,799.47	111,672.46
Public Lands Grazing Permits	40,000.00	—	40,000.00
Public Lands Grazing Lease Rentals	235,000.00	—	235,000.00
Homestead Lease Crop Share	20,000.00	—	20,000.00
	\$11,895,465.02	\$993,347.87	\$10,902,117.15

STATEMENT B

STATEMENT OF RECEIPTS - INCOME ACCOUNT
FROM APRIL 1, 1966 TO MARCH 31, 1967

	GROSS RECEIPTS	REFUNDS	NET RECEIPTS
FISHERIES ACCOUNTS			
Fisheries Licences	\$ 265,771.90	\$ 632.40	\$ 265,139.50
Fisheries Miscellaneous	437.92	28.00	409.92
Fisheries Royalty	15,248.91	16.55	15,232.36
	\$ 281,458.73	\$ 676.95	\$ 280,781.78
GAME ACCOUNTS			
Game Licences	949,227.07	215,262.82	733,964.25
Fur Tax	74,320.67	1,590.39	72,730.28
Game Branch Miscellaneous	3,745.02	86.90	3,658.12
	\$ 1,027,292.76	\$216,940.11	\$810,352.65
LANDS AND GRAZING			
Grazing Leases, Permits, Etc.	1,035,232.03	410,612.97	624,619.06
Hay Permits	9,496.00	2,529.00	6,967.00
Homestead Leases, Crop Share	231,644.21	77,065.40	154,578.81
Provincial Land Sales Interest	135,447.05	2,727.95	132,719.10
Cultivation Leases, Permits	181,047.70	1,575.20	179,472.50
Right of Entry	644,911.78	11,765.79	633,145.99
Miscellaneous Leases	138,970.87	4,759.15	134,211.72
Public Lands Sundry Revenue	89,218.59	8,371.59	80,847.10
Sand & Gravel Leases, Permits	163,568.46	8,388.62	155,179.84
Land Patent Miscellaneous	2,813.27	5.41	2,807.86
	\$2,632,350.06	\$527,801.08	\$2,104,548.98
TIMBER ACCOUNTS	\$3,233,440.06	\$ 18,108.46	\$3,215,331.60
EAST SLOPE SURFACE RIGHTS	\$ 317,253.12	\$ 809.23	\$ 316,443.89
REIMBURSEMENTS RE: A.R.D.A. AGREEMENT	\$ 105,972.02	\$ —	\$ 105,972.02
Forest Surveys	\$44,733.40		
Fish & Wildlife	\$36,453.25		
Provincial Parks	\$24,785.37		
REIMBURSEMENTS RE: VOCATIONAL TRAINING AGREEMENT	\$ 90,847.85	\$ —	\$ 90,847.85
PARKS PERMITS, FEES, RENTAL	\$ 62,880.99	\$ 476.60	\$ 62,404.39
MISCELLANEOUS			
Administration Sundry Revenue	117,768.83	2,675.18	115,093.65
Maps & Plans	31,723.50	302.32	31,421.18
Aircraft Landing Fees	4,806.20	—	4,806.20
Sale of Aerial Photographic Survey Maps	55,561.13	41.45	55,519.68
Dominion-Provincial Agreement Re: Forestry	825,254.96	—	825,254.96
Reimbursement re: Forest Technology School	46,742.66	—	46,742.66
Sale of Automobiles	439.68	—	439.68
Sale of Equipment	5,643.11	—	5,643.11
Sale of Material & Supplies	20.00	—	20.00
Dominion-Provincial Agreement re: Air Weapons — Range Primrose Lake	53,049.98	—	53,049.98
Reimbursement of Salaries & Expenses	168,660.31	2,482.64	166,177.67
Reimbursement Department of Education Training Program	22,720.00	—	22,720.00
	\$1,332,390.36	\$ 5,501.59	\$1,326,888.77
TOTAL INCOME ACCOUNT	\$9,083,885.95	\$770,314.02	\$8,313,571.93

STATEMENT C

STATEMENT OF RECEIPTS – CAPITAL ACCOUNT

FROM APRIL 1, 1966 TO MARCH 31, 1967

	GROSS RECEIPTS	REFUNDS	NET RECEIPTS
Clearing and Breaking Projects	\$ 24,520.57	\$ 40.93	\$ 24,479.64
Public Land Sales Principal	1,005,800.13	12,159.19	993,640.94
Homestead Sales Principal	556,000.40	12,132.00	543,868.40
Land Utilization Advances	7,074.45	—	7,074.45
Dominion-Provincial Agreement re: Forestry	177,108.02	—	177,108.02
Dominion Government Grant Ft. Chipewyan Airport	100,000.00	—	100,000.00
TOTAL CAPITAL ACCOUNT	\$1,870,503.57	\$24,332.12	\$1,846,171.45

STATEMENT D

STATEMENT OF RECEIPTS BY BRANCHES

FROM APRIL 1, 1966 TO MARCH 31, 1967

FISCAL YEAR ENDING:

	MARCH 31/64	MARCH 31/65	MARCH 31/66	MARCH 31/67
INCOME ACCOUNT:				
Fisheries Branch	\$ 280,481.99	\$ 258,024.11	\$ 261,793.37	\$ 280,781.78
Game Branch	750,849.62	783,063.69	773,527.78	810,352.65
Lands and Grazing	1,772,622.28	1,812,170.93	1,894,924.48	2,104,548.98
Timber Branch	2,681,353.46	3,097,601.60	2,748,317.47	3,215,331.60
Easter Slope Surface Rights	526,993.20	477,648.89	428,517.11	316,443.89
Miscellaneous	1,426,678.28	1,440,276.32	1,277,057.30	1,326,888.77
Provincial Parks	- -	56,659.55	57,920.20	62,404.39
ARDA Claims deposited by Dept. of Agriculture	- -	- -	71,597.93	105,972.02
Claims re: Technical and Vocational Training Agree- ment deposited by Dept. of Agriculture.	- -	- -	- -	90,847.85
CAPITAL ACCOUNT:				
Land Sales Principal	649,441.67	832,502.94	852,960.16	993,640.94
Homestead Sales Principal	187,122.39	263,427.96	328,904.58	543,868.40
Clearing & Breaking Projects	30,066.55	36,513.78	34,085.43	24,479.64
Reimbursement by Dominion Government Forest Agreement	557,940.94	258,448.73	210,123.98	177,108.02
Land Utilization Advances	- -	- -	1,877.94	7,074.45
Transfer of Land to Public Works for village of Slave Lake	- -	- -	2,674.50	- -
Dominion Government Grant re: Fort Chipewyan Airport	- -	- -	- -	100,000.00
Transferred to Other Departments	17,534.59	35,267.92	8,583.50	6,778.14
Timber Deposits Trust	93,970.57	110,807.00	44,362.00	51,290.00
Homestead Compensation Trust	4,345.98	2,313.03	3,698.29	1,502.08
Homestead Lease Loan Trust	90,430.73	122,121.95	143,093.91	141,835.26
Miscellaneous Trust	16,972.16	58,962.40	30,307.75	104,431.59
Unapplied Receipts Carried Forward	407,743.56	346,278.92	346,735.65	436,536.70
Parks Board Trust	40,199.74	2,352.06	- -	- -
Total	\$9,534,747.71	\$9,994,441.78	\$9,521,063.33	\$10,902,117.15

DEPARTMENT OF LANDS AND FORESTS

STATEMENT OF DISBURSEMENTS BY BRANCHES
FROM APRIL 1, 1962 TO MARCH 31, 1967

FISCAL YEAR ENDING

STATEMENT F

INCOME		FISCAL YEAR ENDING				STATEMENT F	
		March 31/63	March 31/64	March 31/65	March 31/66	March 31/67	
1801	Minister's Office	\$ 17,583.00	\$ 17,999.03	\$ 21,988.80	\$ 23,526.74	\$ 20,551.14	
1802	General Administration	307,881.87	320,844.63	341,304.03	366,506.18	389,716.44	
1803	Advisory Board & Committees	188.56	1,099.48	997.89	381.15	511.28	
1804	Technical Division	344,344.87	347,607.26	382,207.58	515,723.68	573,258.13	
1805	Registration Division	120,780.55	130,383.91	127,835.67	143,785.99	155,169.05	
1815	Alberta Forest Service - Forest Administration Branch	77,162.24	83,469.54	2,035,512.18	2,245,552.52	2,377,315.12	
1816	Alberta Forest Service - Forest Management Branch	425,793.71	392,594.42	464,720.89	578,054.92	736,811.95	
1817	Alberta Forest Service - Rocky Mountain Forest Reserve	969,727.01	902,449.95	-	-	-	
1819	Eastern Rockies Forest Conservation Board	53,894.52	57,076.84	62,950.51	67,580.59	71,795.55	
1821	Alberta Forest Service - Forest Protection Branch	3,029,233.04	3,255,425.49	2,683,009.13	2,696,613.89	2,883,724.13	
1823	Forest & Prairie Fires Suppression	207,497.56	650,540.27	459,039.24	602,903.79	1,548,034.82	
1824	Alberta Forest Service - Forest Surveys Branch	317,168.59	321,918.11	308,254.54	348,828.43	356,171.85	
1825	Alberta Forest Service - Aircraft Operations	561,387.00	447,310.69	592,675.44	693,088.14	661,689.90	
1826	Alberta Forest Service - Radio Branch	379,619.80	390,326.56	409,347.74	456,940.52	453,788.63	
1828	Alberta Forest Service - Forestry Training School	49,137.10	54,959.24	88,685.66	142,937.28	237,956.77	
1829	Junior Forest Rangers	-	-	-	25,355.07	33,352.77	
1835	Fish and Wildlife Division	877,681.26	910,471.63	1,007,949.27	1,092,200.21	1,307,432.49	
1836	Destruction of Pests	2,471.55	1,948.58	8,561.04	25,518.86	22,620.34	
1845	Lands Division	729,420.64	765,388.27	889,640.07	861,861.57	943,694.37	
1846	Provincial Parks	816,720.86	871,063.14	1,040,159.73	1,287,838.52	1,749,592.82	
1847	Rural Recreational Grants	-	-	67,952.20	22,521.32	89,726.50	
	TOTAL INCOME ACCOUNT	\$9,287,893.73	\$9,922,871.04	\$10,992,791.61	\$12,197,719.37	\$14,562,714.05	
CAPITAL		March 31/63	March 31/64	March 31/65	March 31/66	March 31/67	
1881	Aerial Photography & Forest Inventory	\$ 22,637.56	\$ 15,885.92	\$ 16,849.10	\$ 18,984.40	\$ 13,324.57	
1882	Forestry Dominion-Provincial Access Roads Agreement and SW 47, 55/61-62	815,969.13	815,090.26	683,047.85	652,268.82	653,725.25	
1883	Construction of camp grounds & picnic sites in Provincial Parks - SW 2, 54/61-62 Land Purchase	113,495.20	29,387.60	-	-	-	
	TOTAL CAPITAL ACCOUNT	\$ 952,101.89	\$ 860,363.78	\$ 700,930.41	\$ 867,891.37	\$ 808,853.41	

STATIONERY AND SUPPLIES**REPORT OF THE SUPERVISOR****MAIL AND EXPRESS**

	1965-66	1966-67
Express parcels	1,316	800
Mail (registered and parcels)	3,311	3,291
Pamphlets	1,507	4,483
Parcels by bus	219	156
Magazines (3) issues	48,248	(4 issues) 32,922
Letters	10,306	20,029
Parcels by Messenger	237	641

REGULATIONS AND TAGS PROCESSED

Big game regulations	180,000	188,000
Big game tags	147,000	148,200
Bird game regulations	192,000	140,000
Angling regulations	192,000	198,000

STATIONERY REQUISITIONS BY BRANCHES

General Administration		
Accounts	144	115
Personnel	43	78
Deputy Minister and Publicity	42	38
Lands	507	393
Registration	64	70
Fish and Wildlife	422	422
Technical	82	70
Parks	173	159
Forest Administration	108	136
Forest Protection (Head Office)	170	196
Forest Protection (Divisions)	352	375
Forest Management	61	71
Forest Surveys	90	79
General Public	87	111
Radio Branch	50	38
TOTAL	2,395	2,351

PRINTING VOLUME

	1965-66	1966-67
Transmitted to Queen's Printer		
Regulations	828,800	658,475
Booklets and brochures	43,924	20,700
Forms, licences and general printing	4,724,081	1,955,166
Magazines	56,400	26,850
Envelopes printed	526,500	580,312
Dept. Letterheads printed	405,000	406,000
Processed by this Office		
Xerox Masters processed	1,002	365
Masters typed	3,135	2,246
Sheets run off	1,098,507	1,414,046

PURCHASE ORDERS INITIATED

Direct Purchase Orders	465	539
Interdept. Commitments	294	369
Purchasing Agency Requisitions	14	13

MISCELLANEOUS SERVICES

Number of newspaper advertisements initiated	225	64
Number of telephone requests initiated	68	81
Number of magazine subscriptions and renewals initiated	111	133
Processing addressograph	11,474	4,313

PUBLICITY**REPORT OF THE PUBLICITY OFFICER***W.A. WEST*

An evaluation and study of the department's needs and effects regarding public relations, information and education was carried out. A brief was prepared and presented to the Minister and the Department's Directors.

Continued production and publishing of the department's printed material was carried out.

The department's periodical magazine title was changed to include the Parks Division and now is headed ALBERTA--Lands, Forests, Parks, Wildlife.

Filming commenced on a film for the Alberta Forest Service. The film "Right to Burn", is the story of a farmer, who following all safety rules, starts a forest fire.

A series of radio spots and television spot slides were provided for agency release through provincial stations. A special hunting fishing report is prepared weekly and is carried by Canadian Press and Broadcast news to Alberta's daily newspapers, radio and television stations.

News releases are supplied via the provincial government's Publicity Office and directly when required.

A film library is maintained with some 71 films. A total of 298 showings were held with 18,476 persons in attendance.

PERSONNEL**REPORT OF THE PERSONNEL OFFICER***MR. R.J. CLARK*

The personnel function in the government has been dynamic since the centralized system was implemented in 1960. As the general policy of the Government of Alberta is to delegate to the departments more authority for decisions, a gradual decentralization of Personnel Management has been given to the departments. This decentralization was expected to take place over the next few years, but due to the following reasons, plans have been made to accelerate the program:

(a) the advent of collective bargaining

(b) the growth and complexity of the service has made it necessary for the departments to deal more directly with personnel programs.

Decentralization will allow the Central Personnel Office to act as a service and an advisory area and to assist in developing new programs. Some of these programs in the planning stage include:

(a) a manpower planning program to aid in the recruitment and selection of staff.

(b) a management advisory service program to assist departments evaluate and improve administrative procedures.

During the year the personnel office was active in the following areas:

RECRUITMENT AND SELECTION

In the fiscal year 1966-67, the department recruited 252 new employees. Of this number, 112 were selected by open competition. Also during this period 75 employees were promoted through departmental promotional competitions. The Junior Forest Ranger Program was expanded in 1966-67 to include Grande Prairie as well as camps at the Crowsnest, Rocky Mountain House and Edson Forests. Forty-eight young men between the ages of 17 and 18 years were employed for work at these four training camps.

Due to the difficulties in recruiting certain classes of employees, the university recruiting program was intensified this year. Recruiting teams visited universities in Western Canada and Montana. Despite the short supply in some professions, the department was fortunate enough to fill most of the vacancies created by resignations and new positions established for our expanded program. Although the department enjoyed a successful recruiting program, we still find it difficult to recruit agrologists, foresters, and biologists.

A large number of summer assistants were recruited to assist with the increased work load during the summer months. This was done in connection with our university program or through the Student Placement Office at the various universities.

In addition to the professional level, we found it very difficult to fill our clerical, typist and stenographic positions as well as many technical positions.

During the year 114 employees separated from the department.

CLASSIFICATION AND PAY

The department reviewed a number of positions in 1966-67, but the major reviews were in the clerical and technical series. A resurvey of all clerical positions was initiated earlier in the year and this is expected to be finalized in July 1967. All Technical Aides, Technical Assistants, Engineers and related classes are presently being reviewed. This is expected to be finalized in the fall of 1967.

A number of other positions were reviewed during the period.

In 1965 an agreement was signed between the Government and the Civil Service Association which established pay rates which were to remain in effect until March 1967. However, due to an expanding provincial economy, a general pay review was conducted in the fall of 1966. A new agreement was signed effective October 1, 1966 which resulted in an approximate 11% increase in the annual payroll.

Only one classification appeal was submitted during 1966-67 and this was sustained.

TRAINING

1966-67 saw an increase in management training. With the assistance of the Central Personnel Office, a large number of our staff was given management training. This training consisted of a two week course for approximately two hours each day. In addition a number of one day seminars were conducted on various management areas. This training proved to be very successful.

The Alberta Government approved a policy of course subsidization during 1966 and many employees took advantage of this method of increasing their knowledge.

EMPLOYEE RELATIONS

With the implementation of collective negotiations, this area of work is becoming more involved. Several meetings were held with the Central Personnel Office to outline a departmental viewpoint in so far as the agreement is concerned. A small number of positions have been excluded from the agreement. At this time these include 'Heads of Branches.'

The initial agreement includes pay matters, hours of work and overtime. At present a formal grievance procedure has not been agreed upon; however, this is currently being considered.

A number of staff changes occurred in 1966-67. Mr. E.S. Huestis retired as Deputy Minister on July 1, 1966. Prior to Mr. Huestis' appointment to the Provincial Government in 1930, he was employed by the Federal Government. His retirement ended a long and successful career which started as a summer forestry student and ended as Deputy Minister of the Department.

Dr. V.A. Wood was appointed Deputy Minister to replace Mr. Huestis. Dr. Wood's position of Director of Lands was filled by Mr. D.S. Lawson. Mr. C.E. Paquin was appointed to the position of Administrative Accountant to the Director which was vacated by Mr. Lawson.

Dr. G.J. Mitchell resigned from his position as Chief Wildlife Biologist to accept a teaching position at the University of Saskatchewan in Regina. His position was filled from within the service by Mr. G.R. Kerr.

Mr. W.L. Nisbet, Departmental Solicitor, transferred to the Department of the Attorney General and subsequently to Ottawa. Mr. F.F. Pawlowski was appointed as the new solicitor in early January. Mr. Pawlowski comes to the department with a wealth of legal experience.

Mr. G.H. Braaten accepted employment as the Assistant Personnel Officer effective January 1, 1967.

Mr. W.H. MacDonald was promoted to the position of Clerk of the Executive Council in the fall of 1966 and Mr. W.A. West succeeded him. Mr. West was appointed from outside of the service and brings to the department several years of successful experience in the public relations and publicity area.

Effective January 1, 1967 the following Eastern Rockies Conservation Board positions were transferred to Civil Service status:

Forester (2)

Technical Assistant (2)

Clerk Stenographer III

Clerk Typist II

The status of the Chief Forester and Secretary remained directly under the Board.

The Fish and Wildlife Branch underwent a major reorganization in 1966-67. Because of this, several new positions of Senior Management Biologist, Research Biologist, and Chief Fish Culturist were established.

The Forestry Branch implemented a centralized system in the Slave Lake and Edson Forests in 1965. This program amalgamated several districts with a centralized headquarters. This centralization expanded into one area of the Whitecourt Forest in 1966.

The increased workload and the expanding programs made it necessary for the department to establish a number of new positions during 1966-67.

MINISTER'S OFFICE

- 1 Minister
- 1 Secretary

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DEPUTY MINISTER'S OFFICE

- 1 Deputy Minister
- 1 Solicitor
- 2 Personnel Officers
- 1 Information Officer
- 1 Stockkeeper
- 2 Stores Clerk
- 1 Duplicating Equipment Operator
- 4 Clerk Stenographers
- 5 Clerk Typists
- 1 Clerk
- 1 Illustrator

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ACCOUNTS BRANCH

- 3 Accountants
- 31 Clerks
- 2 Clerk Stenographers
- 17 Clerk Typists
- 1 Comptometer Operator
- 3 Bookkeeping Machine Operators

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TECHNICAL DIVISION

- 3 Technical Officers
- 2 Lands Surveyors
- 23 Technical Assistants
- 8 Photogrammetrists
- 3 Duplicating Equipment Operators
- 3 Clerk Stenographers
- 3 Clerk Typists
- 4 Clerks
- 8 Aerial Photographic Processors
- 7 Technical Aides

64

REGISTRATION DIVISION

- 1 Administrative Officer
- 1 Clerk Stenographer
- 2 Technical Assistants
- 27 Clerks
- 3 Clerk Typists
- 1 Automotive Equipment Operator

35

FORESTRY DIVISION

Forest Administration Branch

- 1 Forestry Director
- 1 Administrative Officer
- 10 Forest Division Superintendents
- 10 Fire Control Officers
- 10 Foresters
- 23 Clerks
- 10 Clerk Stenographers
- 13 Automotive Mechanics
- 11 Senior Lookouts (Year Around)
- 16 Lookouts (Year Around)
- 139 Lookouts (Seasonal)
- 15 Clerk Typists
- 17 Automotive Equipment Operators
- 9 Road Foremen
- 12 Radio Operators
- 9 Carpenters
- 78 Forestry Officers I
- 128 Forestry Officers II & III
- 1 Stockkeeper
- 1 Timber Scaler
- 3 Airport Keepers
- 1 Forestry Warehouse Man

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Forest Management Branch

- 1 Forestry Administrator
- 1 Assistant Forestry Administrator
- 1 Administrative Officer
- 1 Timber Scaling Supervisor
- 5 Foresters
- 1 Forestry Lands Use Officer
- 5 Timber Auditors
- 8 Clerks
- 7 Clerk Stenographers
- 1 Public Lands Appraiser
- 1 Technical Aide
- 2 Clerk Typists

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Forest Protection

- 1 Forestry Administrator
- 2 Assistant Forestry Administrators
- 2 Maintenance Supervisors
- 3 Aircraft Dispatchers
- 3 Clerks
- 3 Clerk Stenographers
- 1 Clerk Typist
- 2 Plumbers
- 1 Forestry Warehouse Man
- 1 Stockkeeper

(cont.)

Forest Protection (continued).

- 1 Fire Weather Officer
- 1 Sign Painter & Designer
- 1 Forest Equipment Artisan
- 1 Forestry Road Superintendent
- 1 Engineer II
- 1 Forester II
- 1 Technical Assistant I
- 1 Forestry Equipment Supervisor

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Forest Surveys Branch

- 1 Forestry Administrator
- 1 Assistant Forestry Administrator
- 1 Technical Officer
- 19 Technical Assistants
- 9 Foresters
- 2 Clerk Typists
- 1 Clerk Stenographer
- 5 Clerks
- 8 Technical Aides
- 1 Stockkeeper

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Radio Branch

- 1 Communications Liaison Officer
- 4 Radio Operators
- 3 Engine Generator Technicians
- 2 Communication Technicians
- 1 Clerk Typist

11

Forestry Training School

- 6 Forestry Training Officers
- 1 Clerk
- 1 Clerk Stenographer
- 1 Stockkeeper

9

FISH & WILDLIFE DIVISION

- 1 Fish & Wildlife Director
- 1 Fish & Wildlife Administrator
- 2 Administrative Officers
- 18 Fish & Wildlife Biologists
- 52 Fish & Wildlife Officers II & III

- 2 Game Hatchery Superintendents
- 1 Clerk
- 17 Clerk Typists
- 43 Clerk Stenographers
- 9 Game Hatchery Attendants
- 1 Laboratory Technician
- 12 Fish & Wildlife Officers I

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EASTERN ROCKIES
CONSERVATION BOARD

- 2 Foresters III
- 2 Technical Assistants I
- 1 Clerk Stenographer
- 1 Clerk Typist

6

LANDS DIVISION

- 1 Public Lands Director
- 6 Administrative Officers
- 24 Public Lands Appraisers
- 39 Clerks
- 36 Clerk Typists
- 8 Clerk Stenographers
- 1 Agrologist
- 8 Grazing Reserve Attendants
- 1 Public Lands Use Specialists

124

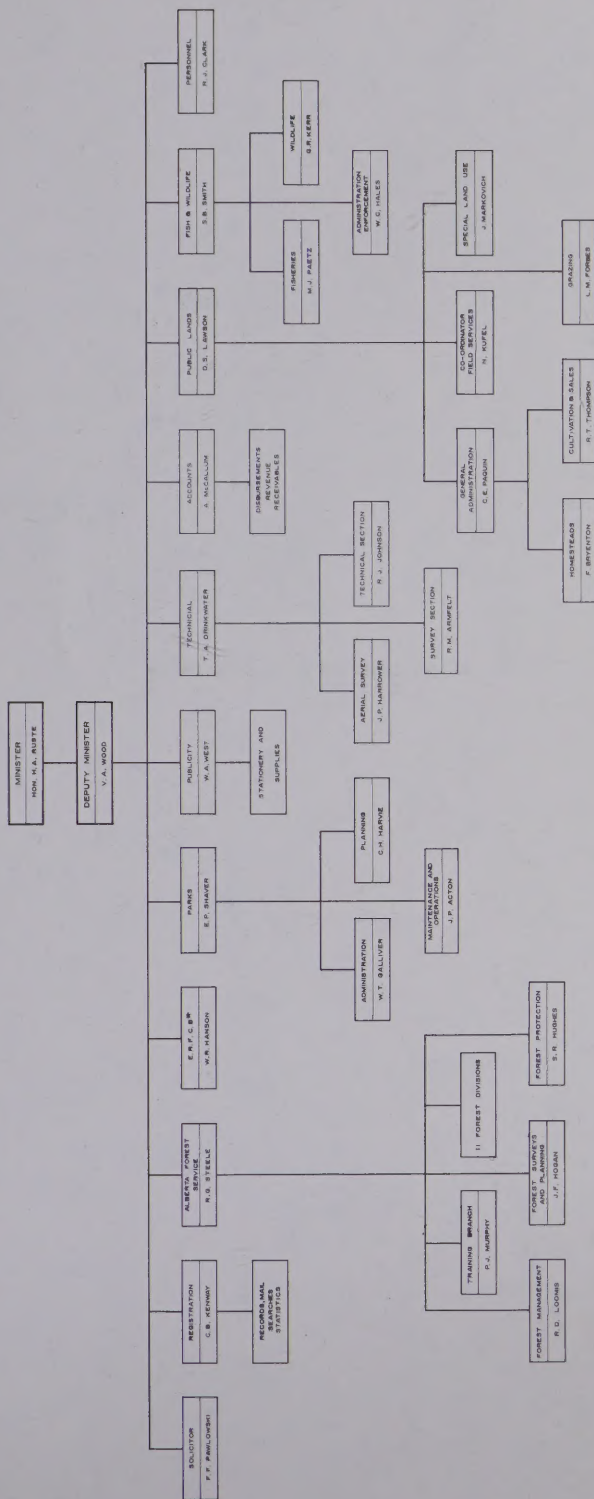
PROVINCIAL PARKS DIVISION

- 1 Parks Director
- 1 Parks Planner
- 4 Park Supervisors
- 1 Park Manager
- 3 Assistant Park Managers
- 1 Administrative Officer
- 17 Parks Officer
- 3 Automotive Equipment Operators
- 4 Carpenters
- 2 Clerks
- 4 Clerk Typists
- 4 Clerk Stenographers
- 2 Technical Assistants
- 2 Automotive Mechanics
- 3 Maintenance Workers
- 1 Sign Painter & Designer
- 1 Painter
- 1 Parks Co-ordinator
- 1 Stockkeeper
- 1 Civil Engineer
- 1 Geographer

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TOTAL - 1,173

ORGANIZATION DEPARTMENT OF LANDS AND FORESTS



MAJESTY, FOREST, AGRICULTURE, CONSERVATION BOARD
SECRETARY: J. N. MARSHALL

